

# **EPA Jacket 352-913**



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

October 16, 2017

Rebecca M. Ashley  
U.S. Registration Manager  
E.I. du Pont de Nemours & Company  
974 Centre Road  
Wilmington, DE 19805

Subject: Registration Amendment – Label Amendment to Change Directions for Use and additional Terms and Conditions to the Registration as Registered on February 7, 2017 for Use on Dicamba-tolerant Cotton and Dicamba-tolerant Soybeans  
Product Name: DuPont FeXapan Herbicide (Alt Brand Name: DuPont FeXaPan™ Herbicide plus VaporGrip™ Technology)  
EPA Registration Number: 352-913  
Application Date: October 13, 2017  
Decision Number: 534714

Dear Ms. Ashley,

In response to the high number of crop damage incidents reported to EPA since June 2017, DuPont submitted a label amendment to change the directions for use on its product as well as a request to amend its registration to include additional terms and conditions. EPA approves the labeling proposed by DuPont as well as the additional terms and conditions of registration. EPA has determined that the DuPont FeXapan Herbicide (EPA reg. no. 352-913) labeling and registration continue to meet the standard of registration with the requested amendment as it did on February 7, 2017 when EPA registered these new uses. The amendment approved through this letter includes additional restrictions further minimizing off-field movement of the active ingredient dicamba and do not affect the conclusions in the supporting assessment of risk. EPA accordingly continues to rely on all the assessments that supported the new uses, and therefore does not require a revised endangered species effects determination, nor any other new risk assessment. This approval contains registration terms and conditions that are in addition to the conditions set forth in the new use approval granted on February 7, 2017. These terms and conditions do not supersede any conditions that were previously imposed on this registration. Therefore, DuPont continues to be subject to existing conditions on its registration and any deadlines connected with them, including but not limited to the automatic expiration date of February 7, 2017. The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable under FIFRA Section 3(c)(7)(B) subject to the following additional terms and conditions to ensure that the new labeling is provided at the point of sale for the 2018 use season:

1. Immediately, for product currently in retail inventories, in the distribution chain (packaged and released for shipment), and product that will be manufactured before new glossy label booklets are available will be relabeled with a Sticker and a New Label.
  - Sticker will contain the following information:
    - “Restricted Use Pesticide”
    - “Product cannot be used if user does not possess new label(ing) that can be found at [www.fexapanapplicationrequirements.dupont.com](http://www.fexapanapplicationrequirements.dupont.com); and
    - “User must comply in all respects with new label(ing), regardless of any contrary language on existing label.”
  - New label will be provided to accompany each stickered product as well as publication to DuPont’s website  
[www.fexapanapplicationrequirements.dupont.com](http://www.fexapanapplicationrequirements.dupont.com).
2. The next label printing of this product, which should occur as soon as practicable, must use this approved labeling unless subsequent changes have been approved. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. After the next printing, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. “To distribute or sell” is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3. In order to assure the new labeling is implemented for use in the 2018 application season, the appended terms and conditions (listed here) have been added to the existing terms and conditions of this registration. DuPont, the registrant, will:
  - As soon as new printed labeling become available, affix the new labeling to DuPont™ FeXapan™ herbicide Plus VaporGrip™ Technology products at the time of manufacture in registered facilities.
  - Notify EPA, within one week of the new printed labeling becoming available, of the date the labeling became available. All product manufactured after the new printed labeling is available must contain the new label.
  - For other DuPont™ FeXapan™ herbicide Plus VaporGrip™ Technology products – whether in retail inventories, in the distribution chain, or for which manufacturing will occur before new printed labeling becomes available – produce and distribute sufficient quantities of stickers and new paper labels to update product (recognizing that stickering must occur in a registered establishment).
  - Inform retailers of the need to sticker and supply new labels for products currently in inventory and products received with the former label as well as provide specific instructions to the retailers that are registered establishments on how to affix the sticker on the label and provide the new paper label at time of purchase.
  - Inform retailers that are not yet EPA registered establishments about the importance of stickering the products currently in their inventory and products received with the former label and that stickering and providing the new labels can only occur in an EPA registered establishment; inform retailers of the process

for establishment registration and reporting; communicate that retailers should not sell product until stickering is appropriately conducted.

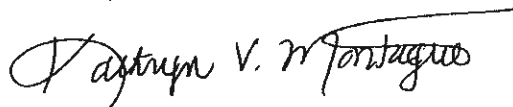
- Inform retailers who do not intend to become registered establishments the importance of the new labeling and to contact DuPont immediately, so that DuPont can reclaim the retailer inventory and provide replacement product with labeling updated in a registered establishment. Communicate that retailers should not sell product until stickering is appropriately conducted.
- Provide a copy to EPA of the communications used to inform retailers and others as described above.
- Provide access to new label through an internet webpage located at [www.fexapanapplicationrequirements.dupont.com](http://www.fexapanapplicationrequirements.dupont.com).

Please be aware that by adding/retaining a reference to the company's website on your label, the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling including all supplemental labels. The new labeling and terms and conditions of registration are hereby granted. As with the February 7, 2017 new use approvals for use DuPont FeXapan Herbicide with VaporGrip™ Technology on dicamba-tolerant cotton and dicamba-tolerant soybeans, if these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6.

If you have any questions, please contact me by phone at 703-305-1243, or via email at [montague.kathryn@epa.gov](mailto:montague.kathryn@epa.gov).

Sincerely,



Kathryn Montague, Product Manager 23  
Herbicide Branch  
Registration Division (7505P)  
Office of Pesticide Programs

Enclosure(s)

# RESTRICTED USE PESTICIDE

For retail sale to and use only by Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicator's certification.

This labeling expires on 11/09/2018, unless the U.S. EPA determines before that date that off-site incidents are not occurring at unacceptable frequencies or levels. Do not use or distribute this product after 11/09/2018, unless you visit [www.fexapanapplicationrequirements.dupont.com](http://www.fexapanapplicationrequirements.dupont.com) and can verify that EPA has amended this expiration date.



## DuPont™ FeXapan™ herbicide Plus VaporGrip® Technology

**ACCEPTED**  
10/16/2017  
Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, this pesticide registered under EPA Reg. No. 352-913

GROUP

HERBICIDE

For weed control in asparagus, conservation reserve programs, corn, cotton, fallow croplands, general farmstead (noncropland), sorghum, grass grown for seed, hay, proso millet, pasture, rangeland, small grains, sod farms and farmstead turf, soybean, sugarcane, cotton with XtendFlex Technology, and Roundup Ready 2 Xtend Soybean.

This label supersedes any previously issued labeling for this product, including previously issued supplemental labeling.

DuPont™ FeXapan™ herbicide Plus VaporGrip® Technology is approved by U.S. EPA for all uses specified on this label in the following states, subject to county restriction as noted: Alabama, Arkansas, Arizona, Colorado, Delaware, Florida (excluding Palm Beach County), Georgia, Illinois, Indiana, Iowa, Kansas, Kentucky, Louisiana, Maryland, Michigan, Minnesota, Mississippi, Missouri, Nebraska, New Jersey, New Mexico, New York, North Carolina, North Dakota, Oklahoma, Ohio, Pennsylvania, South Carolina, South Dakota, Tennessee (excluding Wilson County), Texas, Virginia, West Virginia, Wisconsin.

Check the registration status of each product in each state before using.

| Active Ingredient  | By Weight |
|--|-----------|
| Diglycolamine salt of dicamba<br>(3,6-dichloro-o-anisic acid)* | 42.8%     |
| Other Ingredients  | 57.2%     |
| TOTAL  | 100.0%    |

\* contains 29.0%, 3,6-dichloro-o-anisic acid (2.9 pounds acid equivalent per U.S. gallon or 350 grams per liter).

EPA Reg. No. 352-913

EPA Est. No. \_\_\_\_\_

Nonrefillable Container

Net: \_\_\_\_\_

OR

Refillable Container

Net: \_\_\_\_\_

### KEEP OUT OF REACH OF CHILDREN CAUTION

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand this label, find someone to explain it to you in detail.)

Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

#### FIRST AID

**IF IN EYES:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

**IF SWALLOWED:** Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

**IF ON SKIN OR CLOTHING:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-441-3637 for emergency medical treatment information.

## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

### USER SAFETY RECOMMENDATIONS

Users should: Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

### PERSONAL PROTECTIVE EQUIPMENT (PPE)

**All mixers, loaders, applicators and other handlers must wear:**

- Long-sleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks.

See "Engineering Controls Statement" for additional requirements.

Follow the manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

**Engineering Control Statement:** When handlers use closed systems, or enclosed cabs in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

**IMPORTANT:** When reduced PPE is worn because a closed system is being used, handlers must be provided all PPE specified above for "all mixers, loaders, applicators and other handlers" and have such PPE immediately available for use in an emergency, such as a spill or equipment breakdown.

### ENVIRONMENTAL HAZARDS

Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters or rinsate. Apply this product only as directed on the label.

This chemical is known to leach through soil into ground water under certain conditions as a result of agricultural use. Use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in ground water contamination.

#### GROUND AND SURFACE WATER PROTECTION

**Point source contamination** - To prevent point source contamination, do not mix or load this pesticide product within 50 feet of wells (including abandoned wells and drainage wells), sink holes, perennial or intermittent streams and rivers, and natural or impounded lakes and reservoirs. Do not apply pesticide product within 50 feet of wells. This setback does not apply to properly capped or plugged abandoned wells and does not apply to impervious pad or properly diked mixing/loading areas as described below.

Mixing, loading, rinsing, or washing operations performed within 50 feet of a well are allowed only when conducted on an impervious pad constructed to withstand the weight of the heaviest load that may be on or move across the pad. The pad must be self-contained to prevent surface water flow over or from the pad. The pad capacity must be maintained at 110% that of the largest pesticide container or application equipment used on the pad and have sufficient capacity to contain all product spills, equipment or container leaks, equipment wash waters, and rainwater that may fall on the pad. The containment capacity does not apply to vehicles delivering pesticide shipments to the mixing/loading site. States may have in effect additional requirements regarding wellhead setbacks and operational containment.

Care must be taken when using this product to prevent: a) back siphoning into wells, b) spills or c) improper disposal of excess pesticide, spray mixtures or rinsates. Check valves or anti-siphoning devices must be used on all mixing equipment.

**Movement by surface runoff or through soil** - Do not apply under conditions which favor runoff. Do not apply to impervious substrates such as paved or highly compacted surfaces in areas with high potential for ground water contamination. Ground water contamination may occur in areas where soils are permeable or coarse and ground water is near the surface. Do not apply to soils classified as sand with less than 3% organic matter and where ground water depth is shallow. To minimize the possibility of ground water contamination, carefully follow application rate instructions as affected by soil type in the Crop Specific Information section of this label.

**Movement by water erosion of treated soil** - Do not apply or incorporate this product through any type of irrigation equipment nor by flood or furrow irrigation. Ensure treated areas have received at least one-half inch rainfall (or irrigation) before using tailwater for subsequent irrigation of other fields.

**Endangered Species Concerns** - The use of any pesticide in a manner that may kill or otherwise harm an endangered species or adversely modify their habitat is a violation of federal law.

### PHYSICAL OR CHEMICAL HAZARDS

Do not store or heat near oxidizing agents, hazardous chemical reaction may occur.

## DIRECTIONS FOR USE

It is a violation of Federal law to use this product in any manner inconsistent with its labeling. This product can only be used in accordance with the Directions for Use on this label. This labeling must be in the user's possession during application.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulations.

This is a restricted use pesticide.

### TRAINING

Prior to applying this product in the 2018 growing season and each growing season thereafter, applicator(s) must complete dicamba or auxin-specific training. If training is available and required by the state where the applicator intends to apply this product, the applicator must complete that training. If the state where the application is intended does not require auxin or dicamba-specific training, then the applicator must complete dicamba or auxin-specific training provided by one of the following sources: a) a registrant of a dicamba product approved for in-crop use with dicamba-tolerant crops, or b) a state or state-authorized provider.

### RECORD KEEPING

Record keeping is required for applications of this product. **The certified applicator must keep the following records for a period of two years;** records must be generated as soon as practical but no later than 14 days after application and a record must be kept for each application of DuPont™ FeXapan™ herbicide Plus VaporGrip® Technology. Records must be made available to State Pesticide Control Official(s), USDA, and EPA upon request. An example form summarizing record keeping requirements can be found on [www.fexapanapplicationrequirements.dupont.com](http://www.fexapanapplicationrequirements.dupont.com).

1. Applicator must record the items required by 7 CFR Part 110 (RECORDKEEPING ON RESTRICTED USE PESTICIDES BY CERTIFIED APPLICATORS) including:
  - a. The brand or product name
  - b. The EPA registration number
  - c. The total amount applied
  - d. The month, day, and year
  - e. The location of the application
  - f. The crop, commodity, stored product, or site
  - g. The size of treated area
  - h. The name of the certified applicator
  - i. The certification number of the certified applicator
2. Training: Date and provider of required training completed and proof of completion.
3. Receipts of Purchase: Receipts or copies for the purchase of this product.
4. Product Label: A copy of this product label, and any state special local needs label that supplements this label.
5. Buffer Requirement: Record the buffer distance calculation and any areas included within the buffer distance calculations as allowed in the BUFFER REQUIREMENT section of this label.
6. Susceptible Crops Awareness: Record that a sensitive crop registry was consulted; or document surveying neighboring fields for any susceptible crops prior to application. At a minimum, records must include the name of the sensitive crop registry and the date it was consulted or the survey of neighboring fields and the date conducted (see the SUSCEPTIBLE CROPS section of this label for additional information).
7. Start and Finish Times of Each Application: Record of the time at which the application started and the time when the application finished.
8. Application Timing: Record the type of application (for example: pre-emergence, post-emergence) and number of days after planting if post-emergence.
9. Air Temperature: Record of the air temperature in degrees Fahrenheit at the start and completion of each application.
10. Wind Speed and Direction: Record of the wind speed and direction (the direction from which the wind is blowing) at boom height at the start and completion of each application of this product (See the SPRAYER SETUP section of this label for information on wind speed).
11. Nozzle and Pressure: Record of the spray nozzle manufacturer/brand, type, orifice size, and operating pressure used during each application of this product (See the SPRAYER SETUP section of this label for information on nozzles and pressures.)
12. Tank Mix Products: Record of the brand names and EPA registration numbers (if available) for all products (pesticides, adjuvants, and other products) that were tank mixed with this product for each application (See the TANK MIXING INSTRUCTIONS section of this label for more information on tank mixing.)
13. Spray System Cleanout: Record of compliance with the section of this label titled PROPER SPRAY SYSTEM EQUIPMENT CLEANOUT. At a minimum, records must include the confirmation that the spray system was clean before using this product

and that the post-application cleanout was completed in accordance with PROPER SPRAY SYSTEM EQUIPMENT CLEANOUT section of this label.

### **AGRICULTURAL USE REQUIREMENTS**

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about Personal Protective Equipment (PPE), and restricted-entry intervals. The requirements in this box only apply to uses of this product that are covered by the WPS.

Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 24 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as, plants, soil, or water is:

- Coveralls worn over short-sleeved shirt and short pants
- Chemical-resistant footwear plus socks
- Waterproof gloves
- Chemical-resistant headgear for overhead exposure
- Protective eyewear

### **NON-AGRICULTURAL USE REQUIREMENTS**

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

Do not enter or allow people (or pets) to enter the treated area until sprays have dried. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Do not enter or allow other people or pets to enter until sprays have dried.

## **PRODUCT INFORMATION**

DuPont™ FeXapan™ herbicide Plus VaporGrip® Technology is approved by U.S. EPA for all uses specified on this label in the following states, subject to county restriction as noted: Alabama, Arkansas, Arizona, Colorado, Delaware, Florida (excluding Palm Beach County), Georgia, Illinois, Indiana, Iowa, Kansas, Kentucky, Louisiana, Maryland, Michigan, Minnesota, Mississippi, Missouri, Nebraska, New Jersey, New Mexico, New York, North Carolina, North Dakota, Oklahoma, Ohio, Pennsylvania, South Carolina, South Dakota, Tennessee (excluding Wilson County), Texas, Virginia, West Virginia, Wisconsin.

Additional state restrictions and requirements may apply. The applicator must comply with any additional state requirements and restrictions.

This product is a water-soluble formulation intended for control and suppression of many annual, biennial, and perennial broadleaf weeds, as well as woody brush and vines listed in the WEEDS CONTROLLED section of this label. This product may be used for control of these weeds in asparagus, corn, cotton, conservation reserve programs, fallow cropland, grass grown for seed, hay, proso millet, pasture, rangeland, general farmstead (noncropland), small grains, sod farms and farmstead turf, sorghum, soybean, and sugarcane, Cotton with XtendFlex Technology and Roundup Ready 2 Xtend Soybean.

DuPont™ FeXapan™ herbicide Plus VaporGrip® Technology is a contact, systemic herbicide which can have moderate residual control on small seeded broadleaf weeds, including waterhemp, lambsquarters and Palmer pigweed, depending on rainfall and soil type.

DuPont™ FeXapan™ herbicide Plus VaporGrip® Technology is readily absorbed by plants through shoot and root uptake, translocates throughout the plant's system, and accumulates in areas of active growth. DuPont™ FeXapan™ herbicide Plus VaporGrip® Technology interferes with the plant's growth hormones (auxins) resulting in death of many broadleaf weeds.

Failure to properly clean the entire spray system can result in inadvertent contamination of the spray system. You must ensure that the spray system used to apply this product is clean before using this product.

**Rainfast period:** Rainfall or irrigation occurring within 4 hours after postemergence applications may reduce the effectiveness of this product.

Refer to the CROP-SPECIFIC INFORMATION and CROPS WITH XTEND TECHNOLOGY sections for application timing and other crop-specific details.



## RESTRICTIONS

The applicator must read the entire label, including product labeling and follow all restrictions for DuPont™ FeXapan™ herbicide Plus VaporGrip® Technology. Restrictions included, but are not limited to:

- DO NOT APPLY THIS PRODUCT AERIALLY.
- DO NOT TANK MIX WITH PRODUCTS CONTAINING AMMONIUM SALTS SUCH AS AMMONIUM SULFATE (AMS) AND UREA AMMONIUM NITRATE. Small quantities of AMS can greatly increase the volatility potential of dicamba. Read the TANK MIXING instructions section of this label for instructions regarding other tank mix products.
- DO NOT APPLY TO CROPS UNDER STRESS DUE TO LACK OF MOISTURE, HAIL DAMAGE, FLOODING, HERBICIDE INJURY, MECHANICAL INJURY, INSECTS OR WIDELY FLUCTUATING TEMPERATURES AS INJURY MAY RESULT.
- DO NOT APPLY THROUGH ANY TYPE OF IRRIGATION EQUIPMENT. DO NOT TREAT IRRIGATION DITCHES OR WATER USED FOR CROP IRRIGATION OR DOMESTIC PURPOSES..
- DO NOT MAKE APPLICATION OF THIS PRODUCT IF RAIN IS EXPECTED IN THE NEXT 24 HOURS.

Review the entire label including, specific crop use direction sections for additional restrictions.

## WEED RESISTANCE MANAGEMENT

| GROUP | HERBICIDE |
|-------|-----------|
|-------|-----------|

Dicamba mimics auxin (a plant hormone) resulting in a hormone imbalance in susceptible plants that interferes with normal cell division, cell enlargement, and protein synthesis. Dicamba active ingredient is a Group 4 herbicide based on the mode of action classification system of the Weed Science Society of America. Any weed population can contain plants naturally resistant to Group 4 herbicides. Weed species resistant to Group 4 herbicides can be effectively managed utilizing another herbicide from a different Group, or by using other cultural or mechanical practices.

### Weed Management Practices

Certain agronomic practices can delay or reduce the likelihood that resistant weed populations will develop and can be utilized to manage weed resistance once it occurs.

Do not use less than the labeled rate of this product in a single application. Using the appropriate application rate can minimize the selection for resistant weeds.

Proactively implementing diversified weed control strategies to minimize selection for weed populations resistant to one or more herbicides is a best practice. A diversified weed management program may include the use of multiple herbicides with different sites of action and overlapping weed spectrum with or without tillage operations and/or other cultural practices. Research has demonstrated that using the labeled rate and directions for use is important to delay the selection for resistance.

The continued effectiveness of this product depends on the successful implementation of a weed resistance management program.

To aid in the prevention of developing weeds resistant to this product:

- Scout fields before application to ensure herbicides and rates will be appropriate for the weed species and weed sizes present.
- Start with a clean field, using either a burndown herbicide application or tillage.
- Control weeds early when they are relatively small (less than 4 inches).
- Apply full rates of DuPont™ FeXapan™ herbicide Plus VaporGrip® Technology for the most difficult to control weed in the field at the specified time (correct weed size) to minimize weed escapes.
- Avoid tank mixtures with other herbicides that reduce the efficacy of this product (through antagonism), or with ones that encourage application rates of this product below those specified on this label.
- Scout fields after application to detect weed escapes or shifts in weed species.
- Control weed escapes before they reproduce by seed or proliferate vegetatively.
- Report any incidence of non-performance of this product against a particular weed to your DuPont representative, local retailer, or county extension agent.
- If resistance is suspected, treat weed escapes with an herbicide having a site of action other than Group 4 and/or use non-chemical methods to remove escapes, as practical, with the goal of preventing further seed production.

Additionally, users should follow as many of the following herbicide resistance management practices as is practical:

- Use a broad spectrum soil-applied herbicide with other sites of action as a foundation in a weed control program.

- Utilize sequential applications of herbicides with alternative sites of action.
- Rotate the use of this product with non-Group 4 herbicides.
- Avoid making more than two applications of dicamba and any other Group 4 herbicides within a single growing season unless mixed with an herbicide with a different mechanism of action with an overlapping spectrum for the difficult to control weeds.
- Incorporate non-chemical weed control practices, such as mechanical cultivation, crop rotation, cover crops and weed-free crop seeds, as part of an integrated weed control program.
- Use good agronomic principles that enhance crop development and crop competitiveness.
- Thoroughly clean plant residues from equipment before leaving fields suspected to contain resistant weeds.
- Manage weeds in and around fields, during and after harvest to reduce weed seed production.

Contact the local agricultural extension service, DuPont representative, agricultural retailer or crop consultant for further guidance on weed control practices as needed.

#### **Management of Dicamba-Resistant Biotypes**

Appropriate testing is critical in order to determine if a weed is resistant to dicamba. Contact your DuPont representative to determine if resistance in any particular weed biotype has been confirmed in your area, or visit on the Internet [www.weedscience.org](http://www.weedscience.org).

DuPont is not responsible for any losses that result from the failure of this product to control dicamba-resistant weed biotypes.

The following good agronomic practices can reduce the spread of confirmed dicamba-resistant biotypes:

- If a naturally occurring resistant biotype is present in your field, this product may be tank-mixed or applied sequentially with an appropriately labeled herbicide with a different mode of action to achieve control.
- Cultural and mechanical control practices (e.g., crop rotation or tillage) can also be used as appropriate.
- Scout treated fields after herbicide application and control weed escapes, including resistant biotypes, before they set seed.
- Thoroughly clean equipment before leaving fields known to contain resistant biotypes.

### **INTEGRATED PEST MANAGEMENT**

This product may be used as part of an Integrated Pest Management (IPM) program that can include biological, cultural, and genetic practices aimed at preventing economic pest damage. IPM principles and practices include field scouting or other detection methods, correct target pest identification, population monitoring, and treating when target pest populations reach locally determined action thresholds. Consult your state cooperative extension service, professional consultants or other qualified authorities to determine appropriate action treatment threshold levels for treating specific pest/crop systems in your area.

#### **TANK MIXING INSTRUCTIONS**

DuPont™ FeXapan™ herbicide Plus VaporGrip® Technology may only be tank-mixed with products that have been tested and found not to adversely affect the offsite movement potential of DuPont™ FeXapan™ herbicide Plus VaporGrip® Technology. A list of those products may be found at [www.fexapanapplicationrequirements.dupont.com](http://www.fexapanapplicationrequirements.dupont.com)

The applicator must check the list of tested products found not to adversely affect the offsite movement potential of DuPont™ FeXapan™ herbicide Plus VaporGrip® Technology at [www.fexapanapplicationrequirements.dupont.com](http://www.fexapanapplicationrequirements.dupont.com) no more than 7 days before applying DuPont™ FeXapan™ herbicide Plus VaporGrip® Technology.

DO NOT tank mix any product with DuPont™ FeXapan™ herbicide Plus VaporGrip® Technology unless:

1. The intended tank-mix product is identified on the list of tested products;
2. The intended products are not prohibited on either this label or the label of the tank mix product; and
3. All requirements and restrictions on [www.fexapanapplicationrequirements.dupont.com](http://www.fexapanapplicationrequirements.dupont.com) are followed.

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, DUPONT MAKES NO RECOMMENDATION OR WARRANTY HEREIN REGARDING THE USE OF ANY PRODUCT THAT MAY APPEAR ON THE WEBSITE REFERENCED ABOVE, REGARDLESS OF WHETHER SUCH PRODUCT IS USED ALONE OR IN A TANK MIX WITH DUPONT™ FEXAPAN™ HERBICIDE PLUS VAPORGRIP® TECHNOLOGY. BUYER AND ALL USERS ARE SOLELY RESPONSIBLE FOR ANY LACK OF PERFORMANCE, LOSS, OR DAMAGE IN CONNECTION WITH THE USE OR HANDLING OF ANY SUCH PRODUCT ALONE OR IN A TANK MIX WITH DUPONT™ FEXAPAN™ HERBICIDE PLUS VAPORGRIP® TECHNOLOGY. See the section titled "LIMIT OF WARRANTY AND LIABILITY" herein for more information.

### Compatibility Test for Mix Components

Before mixing components, always perform a compatibility jar test.

- For 15 gallons per acre spray volume, use 2.5 cups (591.5 mL) of water. For other spray volumes, adjust rates accordingly. Only use water from the intended source at the source temperature.
- Add components in the sequence indicated in the Mixing Order section below using 2 teaspoons for each pound or 1 teaspoon for each pint of labeled use rate per acre.
- Cap the jar and invert 10 cycles between component additions.
- When the components have all been added to the jar, let the solution stand for 15 minutes.
- Evaluate the solution for uniformity and stability. The spray solution should not have free oil on the surface; fine particles that precipitate to the bottom; or thick (clabbered) texture. If the spray solution is not compatible, repeat the compatibility test with the addition of a suitable compatibility agent. If the solution is then compatible, use the compatibility agent as directed on its label. If the solution is still incompatible, then do not mix the ingredients in the same tank.

### Mixing Order

Only use approved tank mix products as directed on [www.fexapanapplicationrequirements.dupont.com](http://www.fexapanapplicationrequirements.dupont.com). Always read and follow label directions for all products in the tank mixture. It is the pesticide user's responsibility to ensure that all products in the listed mixtures are registered for the intended use. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture. See the TANK MIXING INSTRUCTIONS section of this label for additional restrictions on tank mixing.

1. Ensure application and mixing equipment are clean and in proper working order
2. Water - Begin by agitating a thoroughly **clean sprayer** tank three-quarters full of clean water.
3. Agitation - Maintain constant agitation throughout mixing and application.
4. Drift Reducing Adjuvants (DRA)-(when applicable)
5. Inductor - If an inductor is used, rinse it thoroughly after each component has been added.
6. Products in PVA bags - Place any product contained in water-soluble PVA bags into the mixing tank. Wait until all water-soluble PVA bags have fully dissolved and the product is evenly mixed in the spray tank before continuing.
7. Water-dispersible products (dry flowables, wettable powders, suspension concentrates, or suspo-emulsions)
8. Water-soluble products (such as DuPont™ FeXapan™ herbicide Plus VaporGrip® Technology)
9. Emulsifiable concentrates (such as oil concentrate when applicable)
10. Water-soluble additives (when applicable)
11. Add remaining quantity of water

Maintain constant agitation during application.

### Adjuvants, Drift Reducing Adjuvants, Surfactants, and Other Tank Mixed Products

See the TANK MIXING INSTRUCTIONS section of this label for tank mixing instructions for adjuvants, drift reducing adjuvants, surfactants, and other tank mixed products.

### APPLICATION EQUIPMENT AND TECHNIQUES

DO NOT APPLY THIS PRODUCT USING AERIAL SPRAY EQUIPMENT.

DuPont™ FeXapan™ herbicide Plus VaporGrip® Technology can be applied to actively growing weeds as broadcast, band, or spot spray applications using water as a carrier. For best results, treat weeds early when they are relatively small (less than 4 inches). Timely application to small weeds early in the season will improve control and reduce weed competition. Refer to Table 1 for DuPont™ FeXapan™ herbicide Plus VaporGrip® Technology application rates for control or suppression by weed type and growth stage. For crop-specific application timing and other details, refer to the CROP-SPECIFIC INFORMATION section of this label.

APPLY THIS PRODUCT USING PROPERLY MAINTAINED AND CALIBRATED EQUIPMENT CAPABLE OF DELIVERING THE DESIRED VOLUMES.

Using a hooded sprayer or other drift reduction technology in combination with approved nozzles may further reduce drift potential.

**CULTIVATION:** Do not cultivate within 7 days after applying this product.

**Table 1. DuPont™ FeXapan™ herbicide Plus VaporGrip® Technology Application Rates for Control or Suppression by Weed Type and Growth Stage**

Use rate limitations are given in the RESTRICTIONS, CROP SPECIFIC INFORMATION and CROPS WITH XTEND TECHNOLOGY sections of this label. .

| Weed Type and Stage         | Rate Per Acre        | Weed Type and Stage   | Rate Per Acre        |
|-----------------------------|----------------------|---|----------------------|
| <b>Annual<sup>1</sup></b>   |                      | <b>Perennial</b>  |                      |
| Small, actively growing     | 11 – 22 fluid ounces | Top growth suppression  | 11 – 22 fluid ounces |
| Established weed growth     | 22 – 33 fluid ounces | Top growth control and root suppression   | 22 – 44 fluid ounces |
|                             |                      | Noted perennials (footnote 1 in CROP-SPECIFIC INFORMATION).                     | 44 fluid ounces      |
|                             |                      | Other perennials (without footnote 1 in CROP-SPECIFIC INFORMATION) <sup>3</sup> | 44 fluid ounces      |
| <b>Biennial</b>             |                      | <b>Woody Brush &amp; Vines</b>  |                      |
| Rosette diameter 1 – 3"     | 11 – 22 fluid ounces | Top growth suppression  | 22 – 44 fluid ounces |
| Rosette diameter 3" or more | 22 – 44 fluid ounces | Top growth control <sup>2,3</sup>   | 44 fluid ounces      |
| Bolting                     | 44 fluid ounces      | Stems and stem suppression <sup>3</sup>   | 44 fluid ounces      |

<sup>1</sup> Rates below 11 fluid ounces per acre may provide control or suppression but should typically be applied with other herbicides that are effective on the same species and biotype.

<sup>2</sup> Woody Species listed in the CROP-SPECIFIC INFORMATION section may require tank mixes for adequate top growth control.

<sup>3</sup> Do not broadcast apply more than 44 fluid ounces per acre in any single application and DO NOT exceed broadcast applications of more than 88 ounces per acre within the growing season when a sequential application is needed for control. Use the higher rate when treating dense vegetation or perennial weeds with established root growth. Perennials and Woody Species are defined as those listed in the CROP-SPECIFIC INFORMATION section.

## SPRAY DRIFT MANAGEMENT

Do not allow herbicide solution to mist, drip, drift or splash onto desirable vegetation because severe injury or destruction to desirable broadleaf plants could result.

The most effective way to reduce drift potential is to apply large droplets that provide sufficient coverage and control. Applying larger droplets reduces drift potential, but will not prevent drift if the application is made improperly, or under unfavorable environmental conditions (see the "Temperature and Humidity" and "Temperature Inversions" sections of this label).

### Sprayer Setup

The following sprayer setup requirements for drift management must be followed:

- **Nozzle Type** - The applicator must use an approved nozzle within a specified pressure range as found at [www.fexapanapplicationrequirements.dupont.com](http://www.fexapanapplicationrequirements.dupont.com) when applying DuPont™ FeXapan™ herbicide Plus VaporGrip® Technology. Do not use any other nozzle and pressure combination not specifically listed on this website.
- **Spray Volume** - The applicator must apply this product in a minimum of **15 gallons of spray solution per acre**. See the **TANK MIXING INSTRUCTIONS** section of this label for information on approved tank mix products.
- **Equipment Ground Speed** - Do not exceed a **ground speed of 15 miles per hour**. Select a ground speed that will deliver the desired spray volume while maintaining the desired spray pressure, but slower speeds generally result in better spray coverage and deposition on the target area. Provided the applicator can maintain the required nozzle pressure, it is recommended that tractor speed is reduced to 5 miles per hour at field edges.
- **Spray boom Height** - Do not exceed a **boom height of 24 inches** above target pest or crop canopy. Excessive boom height will increase the drift potential.
- **Wind Speed** - Do not apply when wind speeds are **less than 3 MPH or greater than 10 MPH**. Only apply when wind speed at boom height is between 3 and 10 mph.

## TEMPERATURE AND HUMIDITY

When making applications in low relative humidity or temperatures above 91 degrees Fahrenheit, set up equipment to produce larger droplets to compensate for evaporation (for example: increase orifice size and/or increase spray volume as directed on [www.fexapanapplicationrequirements.dupont.com](http://www.fexapanapplicationrequirements.dupont.com)). Larger droplets have a lower surface to volume ratio and can be impacted less by temperature and humidity. Droplet evaporation is most severe when conditions are both hot and dry.

## TEMPERATURE INVERSIONS

Do not apply this product during a temperature inversion as the off-target movement potential is high.

Do not apply this product between sunset and sunrise. In general, temperature inversions are more likely during night time hours.

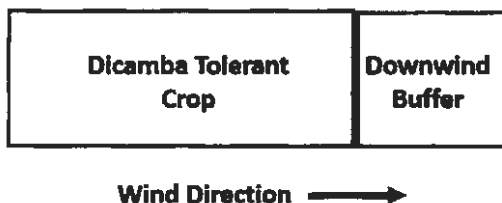
- During a temperature inversion, the atmosphere is very stable and vertical air mixing is restricted, which can cause small, suspended droplets to remain in a concentrated cloud. This cloud can move in unpredictable directions due to the light, variable winds common during inversions.
- Temperature inversions can be characterized by increasing temperatures with altitude and can be common on evenings and nights with limited cloud cover and light to no wind. Cooling of air at the earth's surface takes place and warmer air is trapped above it. Temperature inversions can begin to form as the sun sets and often continue into the morning.
- Their presence can be indicated by ground fog; however, if fog is not present, inversions can also be identified by the movement of smoke from a ground source or an aircraft smoke generator. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical air mixing.
- The inversion will typically dissipate with increased winds (above 3 miles per hour) or at sunrise when the surface air begins to warm (generally 3°F from morning low).

### Buffer Requirements and Protection of Susceptible Crops

**Do not apply under circumstances where drift may occur to food, forage, or other plantings that might be damaged or the crops rendered unfit for sale, use, or consumption.**

#### Buffer Requirement

The applicator **must always maintain** a 110 foot downwind buffer (when applying up to 22 fluid ounces of this product per acre) or a 220 foot downwind buffer (when applying greater than 22 up to 44 fluid ounces of this product per acre) between the last treated row and the nearest downwind field edge (in the direction the wind is blowing).

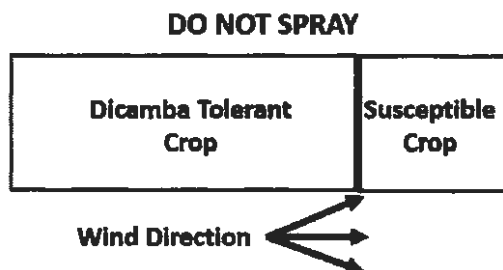


The following areas may be included in the buffer distance calculation when directly adjacent to the treated field edges:

- Roads, paved or gravel surfaces.
- Planted agricultural fields containing: corn, dicamba tolerant cotton, dicamba tolerant soybean, sorghum, proso millet, small grains and sugarcane. If the applicator intends to include such crops as dicamba tolerant cotton and/or dicamba tolerant soybeans in the buffer distance calculation, the applicator must confirm the crops are in fact dicamba tolerant.
- Agricultural fields that have been prepared for planting.
- Areas covered by the footprint of a building, silo, or other man made structure with walls and or roof.

#### Susceptible Crops

**DO NOT APPLY** this product when the wind is blowing toward adjacent non-dicamba tolerant susceptible crops; this includes **NON-Dicamba Tolerant Soybean and Cotton**.



**Before making an application, the applicator must survey the application site for adjacent non-target susceptible crops. The applicator must also consult applicable sensitive crop registries to identify any commercial specialty or certified organic crops that may be located near the application site.**

Susceptible crops include, but are not limited to non-dicamba tolerant soybeans and cotton, tomatoes and other fruiting vegetables (EPA crop group 8), fruit trees, cucurbits (EPA crop group 9), grapes, beans, flowers, ornamentals, peas, potatoes, sunflower, tobacco, other broadleaf plants, and including plants in a greenhouse. Severe injury or destruction could occur if any contact between this product and these plants occurs.

#### Application Awareness

AVOIDING SPRAY DRIFT AT THE APPLICATION SITE IS THE RESPONSIBILITY OF THE APPLICATOR.

The interaction of equipment and weather related factors must be monitored to maximize performance and on-target spray deposition. The applicator is responsible for considering all of these factors when making a spray decision. The applicator is responsible for compliance with state and local pesticide regulations, including any state or local pesticide drift regulations.

#### Ground Application (Banding)

When applying DuPont™ FeXapan™ herbicide Plus VaporGrip® Technology by banding, determine the amount of herbicide and water volume needed using the following formula:

Bandwidth in inches X Broadcast rate per acre = Banding herbicide rate per acre

Row width in inches

Bandwidth in inches X Broadcast volume per acre = Banding water volume per acre

Row width in inches

#### Ground Application (Broadcast)

**Water Volume:** Use a **minimum of 15 gallons** of spray solution per broadcast acre for optimal performance. Use 20 gallons per acre when treating dense or tall vegetation.

**Application Equipment:** Select nozzles (refer to the SPRAYER SETUP section of this label) designed to produce minimal amounts of fine spray particles. Spray with nozzles as close to the weeds as practical for good weed coverage.

Using a hooded sprayer or other drift reduction technology in combination with approved nozzles may further reduce drift potential.

#### Ground Application (Wipers)

DuPont™ FeXapan™ herbicide Plus VaporGrip® Technology may be applied through wiper application equipment to control or suppress actively growing broadleaf weeds, brush and vines. Use a solution containing 1 part DuPont™ FeXapan™ herbicide Plus VaporGrip® Technology to 1 part water. Do not apply greater than 1 lb dicamba acid equivalent (1 quart of this product) per acre per application. Do not contact desirable vegetation with herbicide solution. Wiper application may be made to crops (including pastures) and non-cropland areas described in this label with the exception of cotton, sorghum, and non-dicamba-tolerant soybean.

#### Proper Spray System Equipment Cleanout

You must ensure that the spray system used to apply this product is clean before using this product.

Failure to properly clean the entire spray system can result in inadvertent contamination of the spray system.

Small quantities of dicamba may cause injury to non-dicamba tolerant soybeans and other susceptible crops (see the SUSCEPTIBLE CROPS section of this label for more information).

**Clean equipment immediately after using this product**, using a triple rinse procedure as follows:

1. After spraying, drain the sprayer (including boom and lines) immediately. Do not allow the spray solution to remain in the spray boom lines overnight prior to flushing.
2. Flush tank, hoses, boom and nozzles with clean water. If equipped, open boom ends and flush.
3. Inspect and clean all strainers, screens and filters.
4. Prepare a cleaning solution with a commercial detergent or sprayer cleaner or ammonia according to the manufacturer's directions.
5. Take care to wash all parts of the tank, including the inside top surface. Start agitation in the sprayer and thoroughly recirculate the cleaning solution for at least 15 minutes. All visible deposits must be removed from the spraying system.
6. Flush hoses, spray lines and nozzles for at least 1 minute with the cleaning solution.
7. Remove nozzles, screens and strainers and clean separately in the cleaning solution after completing the above procedures.
8. Drain sump, filter and lines.
9. Rinse the complete spraying system with clean water.

10. Clean and wash off the outside of the entire sprayer and boom.

11. All rinse water must be disposed of in compliance with local, state, and federal guidelines.

#### **ADDITIONAL RESTRICTIONS**

**Maximum Application Rates:** The maximum application or use rates stated throughout this label are given in units of volume (fluid ounces or quarts) of this product per acre. However, the maximum allowed application rates apply to this product combined with the use of any and all other herbicides containing the active ingredients dicamba, whether applied separately or as a tank mixture, on a basis of total pounds of dicamba (acid equivalents) per acre. If more than one dicamba-containing product is applied to the same site within the same year, you must ensure that the total use of dicamba (pounds acid equivalents) does not exceed 2 pounds/A per year from all applications. See the INGREDIENTS section of this label for necessary product information.

**Maximum seasonal use rate:** Refer to Table 2. Crop-Specific Restrictions for crop-specific maximum seasonal use rates. Do not exceed 88 fluid ounces of DuPont™ FeXapan™ herbicide Plus Vapor Grip® Technology (2 pounds acid equivalent) per acre, per year.

**Preharvest Interval (PHI):** Refer to the CROP-SPECIFIC INFORMATION section for preharvest intervals.

**Restricted Entry Interval (REI):** 24 hours

#### **Crop Rotational Restrictions**

No rotational cropping restrictions apply when rotating to Roundup Ready 2 Xtend® Soybeans or cotton seed with XtendFlex® Technology (including Bollgard® 3 XtendFlex® Cotton, Bollgard II® XtendFlex® Cotton, or XtendFlex® Cotton). For other crops the interval between application and planting rotational crop is given below. When counting days from the application of this product, do not count days when the ground is frozen. Planting at intervals less than specified below may result in crop injury. Moisture is essential for the degradation of this herbicide in soil. If dry weather prevails, use cultivation to allow herbicide contact with moist soil.

#### **Planting/replanting restrictions at application rates of 33 fluid ounces of this product per acre per season or less:**

Follow the planting restrictions in the directions for use for Preplant application in the Crop Specific Information section of this label. For corn, cotton (except cotton seed with XtendFlex® Technology), sorghum, and soybean (except Roundup Ready 2 Xtend® Soybean), follow the planting restrictions in the directions for use for preplant application in the Crop-Specific Information section of this label. Do not plant barley, oat, wheat, and other grass seedings for 15 days for every 11 fluid ounces of this product applied per acre east of the Mississippi River and 22 days for every 11 fluid ounces per acre applied west of the Mississippi River. No planting restrictions apply beyond 120 days after application of this product.

#### **Planting/replanting restrictions at application rates of more than 33 fluid ounces and up to 88 fluid ounces of this product per acre per season:**

Wait a minimum of 120 days after application of this product before planting corn, sorghum and cotton (except cotton seed with XtendFlex® Technology) east of the Rocky Mountains and before planting all other crops (except Roundup Ready 2 Xtend® Soybean) grown in areas receiving 30 inches or more rainfall annually. Wait a minimum of 180 days before planting crops in areas with less than 30 inches of annual rainfall. Wait a minimum of 30 days for every 22 fluid ounces of this product applied per acre before planting barley, oat, wheat, and other grass seedings east of the Mississippi River and 45 days for every 22 fluid ounces of this product applied per acre west of the Mississippi River.

**Table 2. Crop-Specific Restrictions<sup>1</sup>**

| <b>Crop</b>  | <b>Maximum Rate Per Acre Per Application (fl oz)</b> | <b>Maximum In-Crop Rate Per Acre Per Season (fl oz)</b> | <b>Livestock Grazing or Feeding</b> |
|--|--|---|-------------------------------------|
| Asparagus  | 22   | 22  | Yes                                 |
| Barley; Fall   | 11   | 16.5  | Yes                                 |
| Barley; Spring   | 11   | 15  | Yes                                 |
| Conservation Reserve Program (CRP)                               | 44   | 88  | Yes                                 |
| Corn   | 22   | 33  | Yes <sup>2</sup>                    |
| Cotton   | 11   | 11  | Yes                                 |
| Cotton with XtendFlex Technology                                 | 44   | 88  | Yes                                 |
| Fallow Ground  | 44   | 88  | Yes                                 |
| Grass grown for seed   | 44   | 88  | Yes                                 |
| Oats   | 5.5  | 5.5   | Yes                                 |
| Pastureland  | 44   | 44  | Yes                                 |
| Proso Millet   | 5.5  | 5.5   | Yes                                 |
| Small grains grown for grass, forage, fodder, hay and/or pasture | 22   | 22  | Yes                                 |
| Sorghum  | 11   | 22  | Yes                                 |
| Soybean  | 44   | 44  | Yes                                 |
| Roundup Ready 2 Xtend Soybean                                    | 44   | 88  | Yes                                 |
| Sugarcane  | 44   | 88  | Yes                                 |
| Triticale  | 5.5  | 5.5   | Yes                                 |
| Sod farms and farmstead turf                                     | 44   | 44  | Yes                                 |
| Wheat  | 11   | 22  | Yes                                 |

<sup>1</sup> Refer to **CROP-SPECIFIC INFORMATION** and **CROPS WITH XTEND TECHNOLOGY** sections of this label for more details.

<sup>2</sup> Once the crop reaches the ensilage (milk) stage or later in maturity.

### **CROP-SPECIFIC INFORMATION**

Read the **TANK MIXING INSTRUCTIONS** section and **BUFFER REQUIREMENTS AND SUSCEPTIBLE CROPS** sections of this label for information on tank mixing, buffer requirements, and susceptible crops.

#### **ASPARAGUS**

Apply DuPont™ FeXapan™ herbicide Plus VaporGrip® Technology to emerged and actively growing weeds in 40 - 60 gallons of diluted spray per treated acre immediately after cutting the field, but at least 24 hours before the next cutting. Multiple applications may be made per growing season (not to exceed the maximum yearly application rate).

If spray contacts emerged spears, crooking (twisting) of some spears may result. If such crooking occurs, discard affected spears.

Rates: Apply 11-22 fluid ounces of DuPont™ FeXapan™ herbicide Plus VaporGrip® Technology to control annual sowthistle, black mustard, Canada and Russian thistle, and redroot pigweed (carelessweed).

Apply 22 fluid ounces of DuPont™ FeXapan™ herbicide Plus VaporGrip® Technology to control common chickweed, field bindweed, nettleleaf goosefoot, and wild radish. Up to 2 applications may be made per growing season. Do not exceed a total of 22 fluid ounces of DuPont™ FeXapan™ herbicide Plus VaporGrip® Technology per treated acre, per crop year.

Do not harvest prior to 24 hours after treatment.

(Optional: Do not use in the Coachella Valley of California.)

#### **BETWEEN CROP APPLICATIONS**

##### **Preplant Directions (Postharvest, Fallow, Crop Stubble, Set-Aside) for Broadleaf Weed Control:**

DuPont™ FeXapan™ herbicide Plus VaporGrip® Technology can be applied either postharvest in the fall, spring, or summer during the fallow period or to crop stubble/set-aside acres. Apply DuPont™ FeXapan™ herbicide Plus VaporGrip® Technology as a broadcast or spot treatment to emerged and actively growing weeds after crop harvest (postharvest) and before a killing frost or in the fallow cropland or crop stubble the following spring or summer.

See the **RESTRICTIONS** section for the recommended interval between application and planting to prevent crop injury.



**Rates and Timings:**

Apply 5.5 – 44 fluid ounces of DuPont™ FeXapan™ herbicide Plus VaporGrip® Technology per acre. Refer to Table 1 to determine use rates for specific targeted weed types. For best performance, apply DuPont™ FeXapan™ herbicide Plus VaporGrip® Technology when annual weeds are less than 4" tall, when biennial weeds are in the rosette stage and to perennial weed regrowth in late summer or fall following a mowing or tillage treatment. The most effective control of upright perennial broadleaf weeds listed on this label such as Canada thistle and Jerusalem artichoke occurs if DuPont™ FeXapan™ herbicide Plus VaporGrip® Technology is applied when the majority of weeds have at least 4 - 6" of regrowth or for weeds listed in this label such as field bindweed and hedge bindweed that are in or beyond the full bloom stage.

Avoid disturbing treated areas following application. Treatments may not kill weeds that develop from seed or underground plant parts such as rhizomes or bulblets, after the effective period for DuPont™ FeXapan™ herbicide Plus VaporGrip® Technology. For seedling control, a follow-up program or other cultural practices could be instituted. For small grain in-crop uses of DuPont™ FeXapan™ herbicide Plus VaporGrip® Technology, refer to the small grain section for details.

**CONSERVATION RESERVE PROGRAM (CRP)**

DuPont™ FeXapan™ herbicide Plus VaporGrip® Technology is registered for use on both newly seeded and established grasses grown in Conservation Reserve or federal Set-Aside Programs. Treatments of DuPont™ FeXapan™ herbicide Plus VaporGrip® Technology will injure or may kill alfalfa, clovers, lespedeza, wild winter peas, vetch, and other legumes.

**Newly Seeded Areas**

DuPont™ FeXapan™ herbicide Plus VaporGrip® Technology may be applied either preplant or postemergence to newly seeded grasses or small grains (barley, oats, rye, sudangrass, wheat, or other grain species grown as a cover crop). Postemergence applications may be made after seedling grasses exceed the 3-leaf stage. Rates of DuPont™ FeXapan™ herbicide Plus VaporGrip® Technology greater than 22 fluid ounces per treated acre may severely injure newly seeded grasses.

Preplant applications may injure new seedlings if the interval between application and grass planting is less than 45 days per 22 fluid ounces of DuPont™ FeXapan™ herbicide Plus VaporGrip® Technology applied per treated acre west of the Mississippi River or 20 days per 22 fluid ounces applied east of the Mississippi River.

**Established Grass Stands**

Established grass stands are perennial grasses planted one or more seasons prior to treatment. Certain species (bentgrass, carpetgrass, smooth brome, buffalograss, or St. Augustinegrass) may be injured when treated with more than 22 fluid ounces of DuPont™ FeXapan™ herbicide Plus VaporGrip® Technology per treated acre.

When applied at specified rates, DuPont™ FeXapan™ herbicide Plus VaporGrip® Technology will control many annual and biennial weeds and provide control or suppression of many perennial weeds.

**Rates and Timings**

Apply 5.5 - 44 fluid ounces of DuPont™ FeXapan™ herbicide Plus VaporGrip® Technology per acre. Refer to Table 1 for rates based on target weed species. Retreatments may be made as needed; however, do not exceed a total of 88 fluid ounces (5.5 pints) of DuPont™ FeXapan™ herbicide Plus VaporGrip® Technology per acre per year.

**CORN (FIELD, POP, SEED, AND SILAGE)**

Direct contact of DuPont™ FeXapan™ herbicide Plus VaporGrip® Technology with corn seed must be avoided. If corn seeds are less than 1.5" inches below the surface, delay application until corn has emerged.

Applications of DuPont™ FeXapan™ herbicide Plus VaporGrip® Technology to corn during periods of rapid growth may result in temporary leaning. Corn will usually become erect within 3 to 7 days. Cultivation should be delayed until after corn is growing normally to avoid breakage.

Corn may be harvested or grazed for feed once the crop has reached the ensilage (milk) stage or later in maturity.

Up to 2 applications of DuPont™ FeXapan™ herbicide Plus VaporGrip® Technology may be made during a growing season not to exceed 33 fluid ounces per acre per season. Sequential applications must be separated by 2 weeks or more.

Do not apply DuPont™ FeXapan™ herbicide Plus VaporGrip® Technology to seed corn or popcorn without first verifying with your local seed corn company (supplier) the selectivity of DuPont™ FeXapan™ herbicide Plus VaporGrip® Technology on your inbred line or variety of popcorn. This precaution will help avoid potential injury of sensitive varieties.

Avoid using crop oil concentrates after crop emergence as crop injury may result. Use crop oil concentrates only in dry conditions when corn is less than 5" tall and when applying DuPont™ FeXapan™ herbicide Plus VaporGrip® Technology alone or tank mixed with atrazine.

Use of sprayable fluid fertilizer as the carrier is not recommended for applications of DuPont™ FeXapan™ herbicide Plus VaporGrip® Technology made after corn emergence.

DuPont™ FeXapan™ herbicide Plus VaporGrip® Technology is not registered for use on sweet corn.

### **Preplant and Preemergence Application in No-Tillage Corn:**

**Rates:** Apply 22 fluid ounces of DuPont™ FeXapan™ herbicide Plus VaporGrip® Technology per acre on medium- or fine-textured soils containing 2.5% or greater organic matter. Use 11 fluid ounces per acre on coarse soils (sand, loamy sand, and sandy loam) or medium- and fine-textured soils with less than 2.5% organic matter.

**Timing:** DuPont™ FeXapan™ herbicide Plus VaporGrip® Technology can be applied to emerging weeds before, during, or after planting a corn crop. When planting into a legume sod (e.g., alfalfa or clover), apply DuPont™ FeXapan™ herbicide Plus VaporGrip® Technology after 4 - 6" of regrowth has occurred.

### **Preemergence Application in Conventional or Reduced Tillage Corn:**

**Rates:** Apply 22 fluid ounces of DuPont™ FeXapan™ herbicide Plus VaporGrip® Technology per treated acre on medium- or fine-textured soils containing 2.5% organic matter or more. Do not apply to coarse textured soils (sand, loamy sand, or sandy loam) of any soil with less than 2.5% organic matter until after corn emergence (See Early Postemergence uses below).

**Timing:** DuPont™ FeXapan™ herbicide Plus VaporGrip® Technology may be applied after planting and prior to corn emergence. Pre-emergence application of DuPont™ FeXapan™ herbicide Plus VaporGrip® Technology does not require mechanical incorporation to become active. A shallow mechanical incorporation is recommended if application is not followed by adequate rainfall or sprinkler irrigation. Avoid tillage equipment (e.g., drags, harrows) which concentrates treated soil over seed furrow as seed damage could result.

Preemergence control of cocklebur, jimsonweed, and velvetleaf may be reduced if conditions such as low temperature or lack of soil moisture cause delayed or deep germination of weeds.

### **Early Postemergence Application in All Tillage Systems:**

**Rates:** Apply 22 fluid ounces of DuPont™ FeXapan™ herbicide Plus VaporGrip® Technology per treated acre. Reduce the rate to 11 fluid ounces per treated acre if corn is growing on coarse textured soils (sand, loamy sand, and sandy loam).

**Timing:** Apply between corn emergence and the 5-leaf stage or 8" tall, whichever occurs first. Refer to Late Postemergence Applications if the sixth true leaf is emerging from whorl or corn is greater than 8" tall.

### **Late Postemergence Application:**

**Rate:** Apply 11 fluid ounces of DuPont™ FeXapan™ herbicide Plus VaporGrip® Technology per treated acre.

**Timing:** Apply DuPont™ FeXapan™ herbicide Plus VaporGrip® Technology from 8 - 36" tall corn or 15 days before tassel emergence, whichever comes first. For best performance, apply when weeds are less than 3" tall.

Apply directed spray when corn leaves prevent proper spray coverage.

## **COTTON**

For directions for use with crops with Xtend Technology see the "CROPS WITH XTEND TECHNOLOGY" section of this label.

### **Preplant Application:**

Apply up to 11 fluid ounces of DuPont™ FeXapan™ herbicide Plus VaporGrip® Technology per acre to control emerged broadleaf weeds prior to planting cotton in conventional or conservation tillage systems.

For best performance, apply DuPont™ FeXapan™ herbicide Plus VaporGrip® Technology when weeds are in the 2 - 4 leaf stage and rosettes are less than 2" across.

Following application of DuPont™ FeXapan™ herbicide Plus VaporGrip® Technology and a minimum accumulation of 1" of rainfall or overhead irrigation, allow a minimum of 21 days between treatment and planting per application of 11 fluid ounces per acre or less. These plant back intervals must be observed prior to planting cotton.

Do not apply preplant to cotton west of the Rockies.

Do not make DuPont™ FeXapan™ herbicide Plus VaporGrip® Technology preplant applications to cotton in geographic areas with average annual rainfall less than 25".

If applying a spring preplant treatment following application of a fall preplant (postharvest) treatment, then the combination of both treatments may not exceed 2 pounds acid equivalent per acre.

## **GRASS GROWN FOR SEED**

Apply 11 - 22 fluid ounces of DuPont™ FeXapan™ herbicide Plus VaporGrip® Technology per treated acre on seedling grass after the crop reaches the 3 - 5 leaf stage. Apply up to 44 fluid ounces of DuPont™ FeXapan™ herbicide Plus VaporGrip® Technology on well-established perennial grass. For best performance, apply DuPont™ FeXapan™ herbicide Plus VaporGrip® Technology when weeds are in the 2 - 4 leaf stage and rosettes are less than 2" across. Use the higher level of listed rate ranges when treating more mature weeds or dense vegetative growth.

To suppress annual grasses such as brome (downy and ripgut), rattail fescue, and windgrass, apply up to 44 fluid ounces of DuPont™ FeXapan™ herbicide Plus VaporGrip® Technology per treated acre in the fall or late summer after harvest and

burning of established grass seed crops. Applications should be made immediately following the first irrigation when the soil is moist and before weeds have more than 2 leaves.

Do not apply DuPont™ FeXapan™ herbicide Plus VaporGrip® Technology after the grass seed crop begins to joint.

Refer to the Pasture, Hay, Rangeland, and General Farmstead section for grazing and feeding restrictions.

#### **PROSO MILLET**

**For use only within Colorado, Nebraska, North Dakota, South Dakota, [Optional: and Wyoming].**

DuPont™ FeXapan™ herbicide Plus VaporGrip® Technology combined with an appropriate tank-mix partner will provide control or suppression of the annual broadleaf weeds listed in WEEDS CONTROLLED section.

#### **PASTURE, HAY, RANGELAND, AND GENERAL FARMSTEAD (NONCROPLAND) AND SMALL GRAINS (FORAGE SORGHUM, RYE, SUDANGRASS, OR WHEAT) GROWN FOR PASTURE, HAY, AND SILAGE ONLY**

DuPont™ FeXapan™ herbicide Plus VaporGrip® Technology is registered for use on pasture, hay, rangeland, and general farmstead (non-cropland) (including fencerows and non-irrigation ditchbanks) for control or suppression of broadleaf weed and brush species listed in the WEEDS CONTROLLED section.

DuPont™ FeXapan™ herbicide Plus VaporGrip® Technology may also be applied to non-cropland areas to control broadleaf weeds in noxious weed control programs, districts, or areas including broadcast or spot treatment of roadsides and highways, utilities, railroad, and pipeline rights-of-way. Noxious weeds must be recognized at the state level, but programs may be administered at state, county, or other level.

DuPont™ FeXapan™ herbicide Plus VaporGrip® Technology uses described in this section also pertain to grasses and small grains (forage sorghum, rye, sudangrass, or wheat) grown for grass, forage, fodder, hay and/or pasture use only. Grasses and small grains not grown ONLY for grass, forage, fodder, hay and/or pasture must comply with crop-specific uses in this label.) . Some perennial weeds may be controlled with lower rates of DuPont™ FeXapan™ herbicide Plus VaporGrip® Technology (refer to Table I).

#### **Rates and Timings**

Refer to Table I for rate selection based on targeted weed or brush species. Some weed species will require tank mixes for adequate control. (Read the TANK MIXING INSTRUCTIONS section of this label for tank mixing instructions)

Rates above 44 fluid ounces of DuPont™ FeXapan™ herbicide Plus VaporGrip® Technology per acre are for spot treatments only. Spot treatment is defined as no more than a total of 1000 square feet of treated area per acre. Do not broadcast apply more than 44 fluid ounces per acre.

Retreatments may be made as needed; however, do not exceed a total of 44 fluid ounces of DuPont™ FeXapan™ herbicide Plus VaporGrip® Technology per treated acre during a growing season.

Grass grown for hay requires a 7-day wait period between treatment and harvest.

#### **Crop-Specific Restrictions**

Do not apply more than 22 fluid ounces of DuPont™ FeXapan™ herbicide Plus VaporGrip® Technology per acre to small grains grown for pasture.

Newly seeded areas may be severely injured if more than 22 fluid ounces of DuPont™ FeXapan™ herbicide Plus VaporGrip® Technology is applied per acre.

Established grass crops growing under stress can exhibit various injury symptoms that may be more pronounced if herbicides are applied. Bentgrass, carpetgrass, buffalograss, and St. Augustingrass may be injured if more than 22 fluid ounces of DuPont™ FeXapan™ herbicide Plus VaporGrip® Technology is applied per acre. Usually colonial bentgrasses are more tolerant than creeping types. Velvetgrasses are most easily injured. Treatments will kill or injure alfalfa, clovers, lespedeza, wild winter peas, vetch, and other legumes.

Table 3 lists the timing restrictions for grazing or harvesting hay from treated fields. There are no grazing restrictions for animals other than lactating dairy animals.

**Table 3. Timing Restrictions for Lactating Dairy Animals Following Treatment**

| DuPont™ FeXapan™ herbicide Plus VaporGrip® Technology Rate per Treated Acre (fluid ounces) | Days Before Grazing (days) | Days Before Hay Harvest (days) |
|--|----------------------------|--------------------------------|
| Up to 22   | 7                          | 37                             |
| Up to 44   | 21                         | 51                             |

- **Spot Treatments:** DuPont™ FeXapan™ herbicide Plus VaporGrip® Technology may be applied to individual clumps or small areas of undesirable vegetation using handgun or similar types of application equipment. Apply diluted sprays to allow complete wetting (up to runoff) of foliage and stems.

### **Cut Surface Treatments:**

DuPont™ FeXapan™ herbicide Plus VaporGrip® Technology may be applied as a cut surface treatment for control of unwanted trees and prevention of sprouts of cut trees.

**Rate:** Mix 1 part DuPont™ FeXapan™ herbicide Plus VaporGrip® Technology with 1 - 3 parts water to create the application solution. Use the lower dilution rate when treating difficult-to-control species.

- **For Frill or Girdle Treatments:** Make a continuous cut or a series of overlapping cuts using an axe to girdle tree trunk. Spray or paint the cut surface with the solution.
- **For Stump Treatments:** Spray or paint freshly cut surface with the water mix. The area adjacent to the bark should be thoroughly wet.

### **Applications For Control of Dormant Multiflora Rose:**

DuPont™ FeXapan™ herbicide Plus VaporGrip® Technology can be applied when plants are dormant as an undiluted spot treatment directly to the soil or as a Lo-Oil basal bark treatment using an oil-water emulsion solution.

- **Spot treatments:** Spot treatment applications of DuPont™ FeXapan™ herbicide Plus VaporGrip® Technology should be applied directly to the soil as close as possible to the root crown but within 6 - 8" of the crown. On sloping terrain, apply DuPont™ FeXapan™ herbicide Plus VaporGrip® Technology to the uphill side of the crown. Do not apply when snow or water prevents applying DuPont™ FeXapan™ herbicide Plus VaporGrip® Technology directly to the soil. The use rate of DuPont™ FeXapan™ herbicide Plus VaporGrip® Technology depends on the canopy diameter of the multiflora rose.

Examples: Use 0.34, 1.38, or 3.23 fluid ounces of DuPont™ FeXapan™ herbicide Plus VaporGrip® Technology respectively, for 5, 10, or 15 feet canopy diameters.

- **Lo-Oil basal bark treatments:** For Lo-Oil basal bark treatments, apply DuPont™ FeXapan™ herbicide Plus VaporGrip® Technology to the basal stem region from the ground line to a height of 12 - 18". Spray until runoff, with special emphasis on covering the root crown. For best results, apply DuPont™ FeXapan™ herbicide Plus VaporGrip® Technology when plants are dormant. Do not apply after bud break or when plants are showing signs of active growth. Do not apply when snow or water prevents applying DuPont™ FeXapan™ herbicide Plus VaporGrip® Technology to the ground line.

To prepare approximately 2 gallons of a Lo-Oil spray solution:

- 1) Combine 1.5 gallons of water, 1 ounce of emulsifier, 22 fluid ounces of DuPont™ FeXapan™ herbicide Plus VaporGrip® Technology, and 2.5 pints of No. 2 diesel fuel.
- 2) Adjust the amounts of materials used proportionately to the amount of final spray solution desired.

Do not exceed 8 gallons of spray solution mix applied per acre, per year.

### **SMALL GRAINS**

#### **SMALL GRAINS NOT UNDERSEEDING TO LEGUMES (FALL- AND SPRING-SEEDING BARLEY, OAT, TRITICALE AND WHEAT)**

Refer to the specific crop sections below for use rates. When treating difficult to control weeds such as kochia, wild buckwheat, cow cockle, prostrate knotweed, Russian thistle, and prickly lettuce or when dense vegetative growth occurs, use the 4.12 – 5.5 fluid ounces of DuPont™ FeXapan™ herbicide Plus VaporGrip® Technology per acre.

**Timings:** Apply DuPont™ FeXapan™ herbicide Plus VaporGrip® Technology before, during, or after planting small grains. See specific small grain crop uses below for maximum crop stage. For best performance, apply DuPont™ FeXapan™ herbicide Plus VaporGrip® Technology when weeds are in the 2 - 3 leaf stage and rosettes are less than 2" across. Applying DuPont™ FeXapan™ herbicide Plus VaporGrip® Technology to small grains during periods of rapid growth may result in crop leaning. This condition is temporary and will not reduce crop yields.

Restrictions for small grain areas that are grazed or cut for hay are indicated in **Table 3** in Pasture, Hay, Rangeland, and General Farmstead section of this label.

#### **SMALL GRAINS: BARLEY (FALL- AND SPRING-SEEDING)**

##### **Early season applications:**

Apply 2.75 – 5.5 fluid ounces of DuPont™ FeXapan™ herbicide Plus VaporGrip® Technology to fall-seeded barley prior to the jointing stage. Apply 2.75 – 4.12 fluid ounces of DuPont™ FeXapan™ herbicide Plus VaporGrip® Technology before spring-seeded barley exceeds the 4-leaf stage.

**Note:** For spring barley varieties that are seeded during the winter months or later, follow the rates and timings given for spring-seeded barley.

##### **Preharvest applications:**

DuPont™ FeXapan™ herbicide Plus VaporGrip® Technology can be used to control weeds that may interfere with harvest of fall and spring-seeded barley. Apply 11 fluid ounces of DuPont™ FeXapan™ herbicide Plus VaporGrip® Technology per acre as a broadcast or spot treatment to annual broadleaf weeds when barley is in the hard dough stage and the green

color is gone from the nodes (joints) of the stem. Best results will be obtained if application can be made when weeds are actively growing, but before weeds canopy.

Allow a minimum of 7 days between treatment and harvest. Do not use preharvest-treated barley for seed unless a germination test is performed on the seed with an acceptable result of 95% germination or better.

(Optional: Do not make preharvest applications in California.)

#### **SMALL GRAINS: OATS (FALL- AND SPRING-SEEDED)**

##### **Early season applications:**

Apply 2.75 – 5.5 fluid ounces of DuPont™ FeXapan™ herbicide Plus VaporGrip® Technology per acre to fall-seeded oat prior to the jointing stage. Apply 2.75 – 5.5 fluid ounces of DuPont™ FeXapan™ herbicide Plus VaporGrip® Technology before spring-seeded oat exceed the 5-leaf stage.

Allow a minimum of 7 days between treatment and harvest.

Do not tank mix DuPont™ FeXapan™ herbicide Plus VaporGrip® Technology with 2,4-D in oat.

#### **SMALL GRAINS: TRITICALE (FALL- AND SPRING-SEEDED)**

##### **Early season applications:**

Apply 2.75 – 5.5 fluid ounces of DuPont™ FeXapan™ herbicide Plus VaporGrip® Technology to triticale.

Early season applications to fall-seeded triticale must be made prior to the jointing stage.

Early season applications to spring-seeded triticale must be made before triticale reaches the 6-leaf stage.

#### **SMALL GRAINS: WHEAT (FALL- AND SPRING-SEEDED)**

##### **Early Season Applications:**

Apply 2.75 – 5.5 fluid ounces of DuPont™ FeXapan™ herbicide Plus VaporGrip® Technology to wheat unless using one of the fall-seeded wheat specific programs below.

Early season applications to fall-seeded wheat must be made prior to the jointing stage.

Early season applications to spring-seeded wheat must be made before wheat exceeds the 6-leaf stage.

Early developing wheat varieties such as TAM 107, Madison, or Wakefield must receive application between early tillering and the jointing stage. Care should be taken in staging these varieties to be certain that the application occurs prior to the jointing stage.

##### **Specific use programs for fall-seeded wheat only:**

(Optional: DuPont™ FeXapan™ herbicide Plus VaporGrip® Technology may be used at 8.25 fluid ounces on fall-seeded wheat in Western Oregon as a spring application only.) In Colorado, Kansas, New Mexico, Oklahoma, and Texas, up to 11 fluid ounces of DuPont™ FeXapan™ herbicide Plus VaporGrip® Technology may be applied on fall-seeded wheat after it exceeds the 3-leaf stage for suppression of perennial weeds, such as field bindweed. Applications may be made in the fall following a frost but before a killing freeze.

##### **Preharvest applications:**

DuPont™ FeXapan™ herbicide Plus VaporGrip® Technology can be used to control weeds that may interfere with harvest of wheat. Apply 11 fluid ounces DuPont™ FeXapan™ herbicide Plus VaporGrip® Technology per acre as a broadcast or spot treatment to annual broadleaf weeds when wheat is in the hard dough stage and the green color is gone from the nodes (joints) of the stem. Best results will be obtained if application can be made when weeds are actively growing but before weeds canopy.

Allow a minimum of 7 days between treatment and harvest. Do not use preharvest-treated wheat for seed unless a germination test is performed on the seed with an acceptable result of 95% germination or better.

(Optional: Do not make preharvest applications in California.)

#### **SORGHUM**

DuPont™ FeXapan™ herbicide Plus VaporGrip® Technology may be applied preplant, postemergence, or preharvest in sorghum to control many annual broadleaf weeds and to reduce competition from established perennial broadleaf weeds, as well as control their seedlings.

Do not graze or feed treated sorghum forage or silage prior to mature grain stage. If sorghum is grown for pasture or hay, refer to Pasture, Hay, Rangeland, and General Farmstead section of this label for specific grazing and feeding restrictions.

Do not apply DuPont™ FeXapan™ herbicide Plus VaporGrip® Technology to sorghum grown for seed production.

##### **Preplant Application:**

Up to 11 fluid ounces of DuPont™ FeXapan™ herbicide Plus VaporGrip® Technology may be applied per acre if applied at least 15 days before sorghum planting.

##### **Postemergence Application:**

Up to 11 fluid ounces of DuPont™ FeXapan™ herbicide Plus VaporGrip® Technology per acre may be applied after sorghum is in the spike stage (all sorghum emerged) but before sorghum is 15" tall. For best performance, apply DuPont™

FeXapan™ herbicide Plus VaporGrip® Technology when the sorghum crop is in the 3 - 5 leaf stage and weeds are small (less than 3" tall). Use drop pipes (drop nozzles) if sorghum is taller than 8". Keep the spray off the sorghum leaves and out of the whorl to reduce the likelihood of crop injury and to improve spray coverage of weed foliage. Applying DuPont™ FeXapan™ herbicide Plus VaporGrip® Technology to sorghum during periods of rapid growth may result in temporary leaning of plants or rolling of leaves. These effects are usually outgrown within 10 - 14 days. Delay harvest until 30 days after treatment.

**Preharvest uses in Texas and Oklahoma only:** Up to 11 fluid ounces of DuPont™ FeXapan™ herbicide Plus VaporGrip® Technology per acre may be applied for weed suppression any time after the sorghum has reached the soft dough stage. An agricultural surfactant may be used to improve performance (read the TANK MIXING INSTRUCTIONS section of this label for tank mixing instructions). Delay harvest until 30 days after a preharvest treatment.

**Split Application:**

DuPont™ FeXapan™ herbicide Plus VaporGrip® Technology may be applied in split applications: preplant followed by postemergence or preharvest; or postemergence followed by preharvest. Do not exceed 11 fluid ounces per acre, per application or a total of 22 ounces per acre, per season.

**SOYBEAN**

For directions for use with crops with Xtend Technology see the "CROPS WITH XTEND TECHNOLOGY" section of this label.

**Preplant Applications:**

Apply 5.5 - 22 fluid ounces of DuPont™ FeXapan™ herbicide Plus VaporGrip® Technology per acre to control emerged broadleaf weeds prior to planting soybeans. Do not exceed 22 fluid ounces of DuPont™ FeXapan™ herbicide Plus VaporGrip® Technology per acre in a spring application prior to planting soybeans.

Following application of DuPont™ FeXapan™ herbicide Plus VaporGrip® Technology and a minimum accumulation of 1" rainfall or overhead irrigation, allow a minimum of 14 days between treatment and planting for applications of 11 fluid ounces per acre or less, and allow a minimum of 28 days between treatment and planting for 22 fluid ounces per acre. These plant back intervals must be observed prior to planting soybeans or crop injury may occur.

Do not make DuPont™ FeXapan™ herbicide Plus VaporGrip® Technology preplant applications to soybeans in geographic areas with average annual rainfall less than 25".

**Preharvest Applications:**

DuPont™ FeXapan™ herbicide Plus VaporGrip® Technology can be used to control many annual and perennial broadleaf weeds and control or suppress many biennial and perennial broadleaf weeds in soybean prior to harvest. Apply 11 - 44 fluid ounces of DuPont™ FeXapan™ herbicide Plus VaporGrip® Technology per acre as a broadcast or spot treatment to emerged and actively growing weeds after soybean pods have reached mature brown color and at least 75% leaf drop has occurred.

Do not harvest soybeans until 7 days after application.

Treatments may not kill weeds that develop from seed or underground plant parts, such as rhizomes or bulblets, after the effective period for DuPont™ FeXapan™ herbicide Plus VaporGrip® Technology. For seedling control, a follow-up program or other cultural practice could be instituted.

Do not use preharvest-treated soybean for seed unless a germination test is performed on the seed with an acceptable result of 95% germination or better.

Do not feed soybean fodder or hay following a preharvest application of DuPont™ FeXapan™ herbicide Plus VaporGrip® Technology.

(Do not make preharvest applications in California.)

**SUGARCANE**

Apply DuPont™ FeXapan™ herbicide Plus VaporGrip® Technology for control of annual, biennial, or perennial broadleaf weeds listed in the WEEDS CONTROLLED section. Apply 11 - 33 fluid ounces of DuPont™ FeXapan™ herbicide Plus VaporGrip® Technology per acre for control of annual weeds, 22 - 44 fluid ounces for control of biennial weeds, and 44 fluid ounces for control or suppression of perennial weeds.

Use the higher level of listed rate ranges when treating dense vegetative growth.

A single retreatment may be made as needed, however, do not exceed a total of 88 fluid ounces of DuPont™ FeXapan™ herbicide Plus VaporGrip® Technology per treated acre during a growing season.

**Timing:** DuPont™ FeXapan™ herbicide Plus VaporGrip® Technology may be applied to sugarcane any time after weeds have emerged, but before the close-in stage of sugarcane. Applications of 44 fluid ounces of DuPont™ FeXapan™ herbicide Plus VaporGrip® Technology per acre made over the top of actively growing sugarcane may result in crop injury.

When possible, direct the spray beneath the sugarcane canopy to minimize the likelihood of crop injury. Using directed sprays will also help maximize the spray coverage of weed foliage.

Allow a minimum of 87 days between treatment and harvest.

#### **FARMSTEAD TURF (NONCROPLAND) AND SOD FARMS**

Do not use on residential sites.

For use in general farmstead (noncropland) and sod farms, apply 4.12 – 44 fluid ounces of DuPont™ FeXapan™ herbicide Plus VaporGrip® Technology per acre to control or suppress growth of many annual, biennial, and some perennial broadleaf weeds commonly found in turf. DuPont™ FeXapan™ herbicide Plus VaporGrip® Technology will also suppress many other listed perennial broadleaf weeds and woody brush and vine species. Refer to Table 1 for rates based on targeted weed or brush species and growth stage.

Repeat treatments may be made as needed; however, do not exceed 44 fluid ounces of DuPont™ FeXapan™ herbicide Plus VaporGrip® Technology per acre, per growing season.

Apply 30 - 200 gallons of diluted spray per treated acre (3 - 17 quarts of water per 1,000 square feet), depending on density or height of weeds treated and on the type of equipment used.

To avoid injury to newly seeded grasses, delay application of DuPont™ FeXapan™ herbicide Plus VaporGrip® Technology until after the second mowing. Furthermore, applying more than 16 fluid ounces of DuPont™ FeXapan™ herbicide Plus VaporGrip® Technology per treated acre may cause noticeable stunting or discoloration of sensitive grass species such as bentgrass, carpetgrass, buffalograss, and St. Augustinegrass.

In areas where roots of sensitive plants extend, do not apply more than 5.5 fluid ounces of DuPont™ FeXapan™ herbicide Plus VaporGrip® Technology per treated acre on coarse-textured (sandy-type) soils, or in excess of 8 fluid ounces per treated acre on fine-textured soils. Do not make repeat applications in these areas for 30 days and until previous applications of DuPont™ FeXapan™ herbicide Plus VaporGrip® Technology have been activated in the soil by rain or irrigation.

#### **CROPS WITH XTEND® TECHNOLOGY**

COTTON WITH XTENDFLEX® TECHNOLOGY (INCLUDING BOLLGARD II® XTENDFLEX® COTTON, BOLLGARD® 3 XTENDFLEX® COTTON, OR XTENDFLEX® COTTON) AND ROUNDUP READY 2 XTEND® SOYBEAN CONTAIN A PATENTED GENE THAT PROVIDES TOLERANCE TO DICAMBA, THE ACTIVE INGREDIENT IN THIS PRODUCT. THIS PRODUCT WILL CAUSE SEVERE CROP INJURY OR DESTRUCTION AND YIELD LOSS IF APPLIED TO COTTON AND SOYBEAN THAT ARE NOT DICAMBA TOLERANT, INCLUDING COTTON AND SOYBEAN WITH A TRAIT ENGINEERED TO CONFER TOLERANCE TO AUXIN HERBICIDES OTHER THAN DICAMBA. FOLLOW THE REQUIREMENTS SET FORTH HEREIN TO PREVENT SEVERE CROP INJURY OR DESTRUCTION AND YIELD LOSS. CONTACT WITH FOLIAGE, GREEN STEMS, OR FRUIT OF CROPS, OR ANY DESIRABLE PLANTS THAT DO NOT CONTAIN A DICAMBA TOLERANCE GENE OR ARE NOT NATURALLY TOLERANT TO DICAMBA, COULD RESULT IN SEVERE PLANT INJURY OR DESTRUCTION.

Information on cotton with XtendFlex® Technology and Roundup Ready 2 Xtend® Soybean can be obtained from your seed supplier or DuPont representative. Cotton with XtendFlex® Technology and Roundup Ready 2 Xtend® Soybean must be purchased from an authorized licensed seed supplier.

Note: Cotton with XtendFlex® Technology and Roundup Ready 2 Xtend® Soybean and methods of controlling weeds and applying dicamba in a Cotton with XtendFlex® Technology and Roundup Ready 2 Xtend® Soybean crop are protected under U.S. patent law. No license to use Cotton with XtendFlex® Technology and Roundup Ready 2 Xtend® Soybean is granted or implied with the purchase of this herbicide product. Cotton with XtendFlex® Technology and Roundup Ready 2 Xtend® Soybean are owned by the seed provider and a license must be obtained from the seed provider before using it. Contact your Authorized DuPont Retailer for information on obtaining a license to Cotton with XtendFlex® Technology and Roundup Ready 2 Xtend® Soybean.

#### **Cotton with XtendFlex® Technology**

DO NOT combine these instructions with other instructions in the "COTTON" Section of this label for use over crops that do not contain the dicamba tolerance trait.

TYPES OF APPLICATIONS: Burndown/Early Preplant; Preplant; At-Planting; Preemergence; Postemergence (In-crop)

#### **USE INSTRUCTIONS**

Apply this product in a minimum of 15 gallons of spray solution per acre as a broadcast application. For best performance, control weeds early when they are less than 4 inches. Timely application will improve control and reduce weed competition. Refer to the following table for maximum application rates of this product with cotton with XtendFlex® Technology.

## Maximum Application Rates

|  |   |
|--|---|
| Combined total per year for all applications   | 88 fluid ounces per acre<br>(2.0 lb. a.e. dicamba per acre) |
| Total of all Burndown/Early Preplant, Preplant, At-Planting, and Preemergence applications | 44 fluid ounces per acre<br>(1.0 lb. a.e. dicamba per acre) |
| Total of all In-crop applications from emergence up to 7 days pre-harvest                  | 88 fluid ounces per acre<br>(2.0 lb. a.e. dicamba per acre) |
| Maximum In-crop, single application  | 22 fluid ounces per acre<br>(0.5 lb. a.e. dicamba per acre) |

a.e. – acid equivalent

Refer to Table 1 for application rates for weed type and growth stage controlled by this product. Maximum in-crop application rate should be used when treating tough to control weeds, dense vegetative growth or weeds with a well-established root system.

### Preplant, At-Planting, Preemergence

**USE INSTRUCTIONS:** This product may be used to control broadleaf weeds and may be applied before, during or immediately after planting cotton with XtendFlex® Technology. Refer to the “WEEDS CONTROLLED” section this label for DuPont™ FeXapan™ herbicide Plus VaporGrip® Technology for specific weeds controlled.

#### RESTRICTIONS:

- The maximum combined quantity of this product that may be applied for all burndown/early preplant, preplant, at-planting, and preemergence applications is 44 fluid ounces (1.0 lb a.e. dicamba) per acre per season.
- The maximum application rate for a single, burndown/early preplant, preplant, at-planting, or preemergence application must not exceed 44 fluid ounces (1.0 lb a.e. dicamba) per acre.
- Do not apply less than 22 fluid ounces (0.5 lb a.e. dicamba) per acre.

### Postemergence (In-crop)

**USE INSTRUCTIONS:** This product may be used to control broadleaf weeds in cotton with XtendFlex® Technology. In-crop applications of this product can be made from emergence up to 7 days prior to harvest. The maximum and minimum rate for any single, in-crop application is 22 fluid ounces (0.5 lb a.e. dicamba) per acre. Using the appropriate application rate may reduce the selection for resistant weeds. For best performance, control weeds early when they are less than 4 inches. DuPont does not warrant product performance of applications to labeled weeds greater than 4 inches in height. Sequential applications of this product may be necessary to control new flushes of weeds or on tough-to-control weeds. Allow at least 7 days between applications. A pre-harvest application of this product may be made up to 7 days before harvest.

Postemergence applications of this product mixed with adjuvants may cause a leaf response to cotton with XtendFlex® Technology. The symptoms usually appear as necrotic spots on fully expanded leaves. EC-based products that are tank mixed with products containing dicamba may increase the severity of the leaf damage.

#### RESTRICTIONS:

- The combined total applied from crop emergence up to 7 days prior to harvest must not exceed 88 fluid ounces (2.0 lb a.e. dicamba) per acre.
- The maximum single, in-crop application rate must not exceed 22 fluid ounces (0.5 lb a.e. dicamba).
- The combined total per year for all applications must not exceed 88 fluid ounces (2.0 lb a.e. dicamba) per acre. For example, if a preplant application of 44 fluid ounces (1.0 lb a.e. dicamba) per acre was made, then the combined total in-crop applications must not exceed 44 fluid ounces (1.0 lb a.e. dicamba) per acre.
- Allow at least 7 days between applications and allow at least 7 days between final application and harvest or feeding of cottonseed and cotton gin by-products.

### Roundup Ready 2 Xtend® Soybean

DO NOT combine these instructions with other instructions in the “SOYBEAN” Section of this label for use over crops that do not contain the dicamba tolerance trait.

**TYPES OF APPLICATIONS:** Burndown/Early Preplant; Preplant; At-Planting; Preemergence; Postemergence (In-crop)

#### USE INSTRUCTIONS

Apply this product in a minimum of 15 gallons of spray solution per acre as a broadcast application. For best performance, control weeds early when they are less than 4 inches. Timely application will improve control and reduce weed competition. Refer to the following table for maximum application rates of this product with Roundup Ready 2 Xtend® Soybean.



### Maximum Application Rates

|  |   |
|--|---|
| Combined total per year for all applications   | 88 fluid ounces per acre<br>(2.0 lb. a.e. dicamba per acre) |
| Total of all Burndown/Early Preplant, Preplant, At-Planting, and Preemergence applications               | 44 fluid ounces per acre<br>(1.0 lb. a.e. dicamba per acre) |
| Total of all In-crop applications from emergence up to and including beginning bloom (R1 stage soybeans) | 44 fluid ounces per acre<br>(1.0 lb. a.e. dicamba per acre) |
| Maximum In-crop, single application  | 22 fluid ounces per acre<br>(0.5 lb. a.e. dicamba per acre) |

a.e. – acid equivalent

Refer to Table 1 for application rates for weed type and growth stage controlled by this product. Maximum in-crop application rate should be used when treating tough to control weeds, dense vegetative growth or weeds with a well-established root system.

#### Preplant, At-Planting, Preemergence

**USE INSTRUCTIONS:** This product may be used to control broadleaf weeds and may be applied before, during or immediately after planting Roundup Ready 2 Xtend® Soybean. Refer to the “WEEDS CONTROLLED” section of the label booklet for DuPont™ FeXapan™ herbicide Plus VaporGrip® Technology for specific weeds controlled.

#### RESTRICTIONS:

- The maximum combined quantity of this product that may be applied for all burndown/early preplant, preplant, at-planting, and preemergence applications is 44 fluid ounces (1.0 lb a.e. dicamba) per acre per season.
- The maximum application rate for a single, burndown/early preplant, preplant, at-planting, or preemergence application must not exceed 44 fluid ounces (1.0 lb a.e. dicamba) per acre.
- Do not apply less than 22 fluid ounces (0.5 lb a.e. dicamba) per acre.

#### Postemergence (In-crop)

**USE INSTRUCTIONS:** This product may be used to control broadleaf weeds in Roundup Ready 2 Xtend® Soybean. In-crop applications of this product can be made from emergence (cracking) up to and including beginning bloom (R1 growth stage of soybeans). Do not make in-crop applications of this product after beginning bloom (R1 growth stage of soybeans). The maximum and minimum rate for any single, in-crop application is 22 fluid ounces (0.5 lb a.e. dicamba) per acre. Using the appropriate application rate may reduce the selection for resistant weeds. For best performance, control weeds early when they are less than 4 inches. DuPont does not warrant product performance of applications to labeled weeds greater than 4 inches in height.

A second application of this product up to the R1 crop growth stage may be necessary to control new flushes of weeds. Allow at least 7 days between applications. For best results, apply DuPont™ FeXapan™ herbicide Plus VaporGrip® Technology after some weed re-growth has occurred.

Application of this product postemergence and under stressful environments may cause temporary loss of turgor, a response commonly described as leaf droop in Roundup Ready 2 Xtend® Soybean. Typically, affected plants recover in 1-3 days depending on the level of droop and environmental conditions.

#### RESTRICTIONS:

- The combined total application rate from crop emergence up to and including R1 must not exceed 44 fluid ounces (1.0 lb. a.e. dicamba) per acre.
- Do not make in-crop applications of this product after beginning bloom (R1 growth stage of soybeans).
- The maximum single, in-crop application rate must not exceed 22 fluid ounces (0.5 lb. a.e. dicamba) per acre. The combined total per year for all applications must not exceed 88 fluid ounces (2.0 lb. a.e. dicamba) per acre.
- Allow at least 7 days between final application and harvest or feeding of soybean forage.
- Allow at least 14 days between final application and harvest or feeding of soybean hay.

## WEEDS CONTROLLED

### General Weed List, Including ALS-, Glyphosate, and Triazine-Resistant Biotypes

#### ANNUALS

|   |   |  |
|---|---|--|
| Alkanet<br>Amaranth, Palmer, Powell, Spiny<br>Aster, Slender<br>Bedstraw, Catchweed<br>Beggarweed, Florida<br>Broomweed, Common<br>Buckwheat, Tartary, Wild<br>Buffalobur<br>Burclover, California<br>Burcucumber<br>Buttercup, Corn, Creeping, Roughseed,<br>Western Field<br>Carpetweed<br>Catchfly, Nightflowering<br>Chamomile, Corn<br>Chevil, Bur<br>Chickweed, Common<br>Clovers<br>Cockle, Corn, Cow, White<br>Cocklebur, Common<br>Copperleaf, Hophornbeam<br>Cornflower (Bachelor Button)<br>Croton, Tropic, Woolly<br>Daisy, English<br>Dragonhead, American<br>Eveningprimrose, Cutleaf<br>Falseflax, Smallseed<br>Fleabane, Annual<br>Flixweed<br>Fumitory | Goosefoot, Nettle Hempnettle<br>Henbit<br>Jacobs-Ladder<br>Jimsonweed<br>Knawel (German Moss)<br>Knotweed, Prostrate<br>Kochia<br>Ladysthumb<br>Lambsquarters Common<br>Lettuce, Miners, Prickly<br>Mallow, Common, Venice<br>Maretail (Horseweed)<br>Mayweed<br>Morningglory, Ivyleaf, Tall<br>Mustard, Black, Blue, Tansy, Treacle,<br>Tumble, Wild, Yellowtops<br>Nightshade, Black, Cutleaf<br>Pennycress, Field (Fanweed, Frenchweed,<br>Stinkweed)<br>Pepperweed, Virginia (Peppergrass)<br>Pigweed, Prostrate, Redroot<br>(Carelessweed), Rough, Smooth, Tumble<br>Pineappleweed<br>Poorjoe<br>Poppy, Red-horned<br>Puncturevine<br>Purslane, Common | Pusley, Florida<br>Radish, Wild<br>Ragweed, Common, Giant (Buffaloweed),<br>Lance-Leaf<br>Rocket, London, Yellow<br>Rubberweed, Bitter (Bitterweed)<br>Salsify<br>Senna, Coffee<br>Sesbania, Hemp<br>Shepherdspurse<br>Sicklepod<br>Sida, Prickly (Teaweed)<br>Smartweed, Green, Pennsylvania<br>Sneezeweed, Bitter<br>Sowthistle, Annual, Spiny<br>Spanish Needles<br>Spikeweed, Common<br>Spurge, Prostrate, Leafy<br>Spurry, Corn<br>Starbur, Bristly<br>Starwort, Little<br>Sumpweed, Rough<br>Sunflower, Common (Wild), Volunteer<br>Thistle, Russian<br>Velvetleaf<br>Waterhemp, Common, Tall<br>Waterprimrose, Winged<br>Wormwood |
|---|---|--|

#### BIENNIALS

|   |   |   |
|---|---|---|
| Burdock, Common<br>Carrot, Wild (Queen Anne's Lace)<br>Cockle, White<br>Eveningprimrose, Common<br>Geranium, Carolina | Gromwell<br>Knapweed, Diffuse, Spotted<br>Mallow, Dwarf<br>Plantain, Bracted<br>Ragwort, Tansy<br>Starthistle, Yellow | Sweetclover<br>Teasel<br>Thistle, Bull, Milk, Musk, Plumeless |
|---|---|---|

#### PERENNIALS

|   |  |   |
|---|--|---|
| Alfalfa <sup>1</sup><br>Artichoke, Jerusalem<br>Aster, Spiny, Whiteheath<br>Bedstraw, Smooth<br>Bindweed, Field, Hedge<br>Blueweed, Texas<br>Bursage, Woollyleaf <sup>1</sup> (Bur<br>Ragweed, Povertyweed)<br>Buttercup, Tall<br>Campion, Bladder<br>Chickweed, Field, Mouseear<br>Chicory <sup>1</sup><br>Clover, Hop<br>Dandelion <sup>1</sup> , Common<br>Dock <sup>1</sup> Broadleaf (Bitterdock), Curly<br>Dogbane, Hemp<br>Dogfennel <sup>1</sup> (Cypressweed)<br>Fern, Bracken<br>Garlic, Wild | Goldenrod, Canada, Missouri<br>Goldenweed, Common<br>Hawkweed<br>Henbane, Black <sup>1</sup><br>Horsenettle, Carolina<br>Ironweed<br>Knapweed, Black, Diffuse,<br>Russian <sup>1</sup> , Spotted<br>Milkweed, Climbing, Common,<br>Honeyvine, Western Whorled<br>Nettle, Stinging<br>Nightshade, Silverleaf (White<br>Horsenettle)<br>Onion, Wild<br>Plantain, Broadleaf, Buckhorn<br>Pokeweed<br>Ragweed, Western<br>Redvine<br>Sericia Lespedeza | Smartweed, Swamp<br>Snakeweed, Broom<br>Sorrel <sup>1</sup> , Red (Sheep Sorrel)<br>Sowthistle <sup>1</sup> , Perennial<br>Spurge, Leafy<br>Sundrops<br>Thistle, Canada, Scotch<br>Toadflex, Dalmatian<br>Tropical Soda Apple<br>Trumpet creeper (Buckvine)<br>Vetch<br>Waterhemlock, Spotted<br>Waterprimrose, Creeping<br>Woodsorrel <sup>1</sup> , Creeping, Yellow<br>Wormwood, Absinth, Louisiana<br>Yankeeweed<br>Yarrow, Common <sup>1</sup> |
|---|--|---|

<sup>1</sup> Noted perennials may be controlled using lower rates of DuPont™ FeXapan™ herbicide Plus VaporGrip® Technology than those recommended for other listed perennial weeds.

## WOODY SPECIES

|                           |                                    |   |
|---------------------------|------------------------------------|---|
| Alder                     | Hawthorn (Thornapple) <sup>2</sup> | Plum, Sand (Wild Plum) <sup>2</sup>       |
| Ash                       | Hemlock                            | Poplar                                    |
| Aspen                     | Hickory                            | Rabbitbrush                               |
| Basswood                  | Honeylocust                        | Redcedar, Eastern <sup>2</sup>            |
| Beech                     | Honeysuckle                        | Rose <sup>2</sup> , McCartney, Multiflora |
| Birch                     | Hornbeam                           | Sagebrush, Fringed <sup>2</sup>           |
| Blackberry <sup>2</sup>   | Huckleberry                        | Sassafras                                 |
| Blackgum <sup>2</sup>     | Huisache                           | Serviceberry                              |
| Cedar <sup>2</sup>        | Ivy, Poison                        | Spicebush                                 |
| Cherry                    | Kudzu                              | Spruce                                    |
| Chinquapin                | Locust, Black                      | Sumac                                     |
| Cottonwood                | Maple                              | Sweetgum <sup>2</sup>                     |
| Creosotebush <sup>2</sup> | Mesquite                           | Sycamore                                  |
| Cucumbertree              | Oak                                | Tarbush                                   |
| Dewberry <sup>2</sup>     | Oak, Poison                        | Willow                                    |
| Dogwood <sup>2</sup>      | Olive, Russian                     | Witchhazel                                |
| Elm                       | Persimmon, Eastern                 | Yaupon <sup>2</sup>                       |
| Grape                     | Pine                               | Yucca <sup>2</sup>                        |

<sup>2</sup> Growth suppression only

## STORAGE AND DISPOSAL

Proper pesticide storage and disposal are essential to protect against exposure to people and the environment due to leaks and spills, excess product or waste, and vandalism. Do not allow this product to contaminate water, foodstuffs, feed or seed by storage and disposal.

Open dumping is prohibited. This product may not be mixed, loaded, or used within 50 feet of all wells including abandoned wells, drainage wells, and sinkholes.

**PESTICIDE STORAGE:** Groundwater contamination may be reduced by diking and flooring of permanent liquid bulk storage sites with an impermeable material. Spillage or leakage should be contained and absorbed with clay granules, sawdust, or equivalent material for disposal.

Store in original container in a well-ventilated and away from food, pet food, feed, seed, fertilizers, and veterinary supplies. Avoid cross-contamination with other pesticides. Keep container closed to prevent spills and contamination.

**PESTICIDE DISPOSAL:** To avoid wastes, use all material in this container, including rinsate, by application according to label directions. If wastes cannot be avoided, offer remaining product to a waste disposal facility or pesticide disposal program. Such programs are often run by state or local governments or by industry. All disposal must be in accordance with applicable federal, state and local regulations and procedures.

**CONTAINER HANDLING:** Refer to the Net Contents section of this product's labeling for the applicable "Nonrefillable Container" or "Refillable Container" designation.

**Nonrefillable Rigid Plastic and Metal Containers (Capacity Equal to or Less Than 5 Gallons):** Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then, for Plastic Containers, offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration. Do not burn, unless allowed by state and local ordinances. For Metal Containers, offer for recycling if available or reconditioning if appropriate, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

**Nonrefillable Rigid Plastic and Metal Containers (Capacity Greater Than 5 Gallons):** Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then, for Plastic Containers, offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration. Do not burn, unless allowed by state and local ordinances. For Metal Containers, offer for recycling if available or reconditioning if appropriate, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

**Nonrefillable Rigid Plastic and Metal Containers, e.g., Intermediate Bulk Containers [IBC] (Size or Shape Too Large to be Tipped, Rolled or Turned Upside Down):** Nonrefillable container. Do not reuse or refill this container. Clean container promptly after emptying the contents from this container into application equipment or mix tank and before final disposal using the following pressure rinsing procedure. Insert a lance fitted with a suitable tank cleaning nozzle into the container and ensure that the water spray thoroughly covers the top, bottom and all sides inside the container. The nozzle manufacturer generally provides instructions for the appropriate spray pressure, spray duration and/or spray volume. If the manufacturer's instructions are not available, pressure rinse the container for at least 60 seconds using a minimum pressure of 30 PSI with a minimum rinse volume of 10% of the container volume. Drain, pour or pump rinsate into application equipment or rinsate collection system. Repeat this pressure rinsing procedure two more times. Then, for Plastic Containers, offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration. For Metal Containers, offer for recycling if available or reconditioning if appropriate, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

**All Refillable Containers:** Refillable container. Refilling Container: Refill this container with DuPont™ FeXapan™ herbicide Plus VaporGrip® Technology herbicide containing dicamba only. Do not reuse this container for any other purpose. Cleaning before refilling is the responsibility of the refiller. Prior to refilling, inspect carefully for damage such as cracks, punctures, abrasions, worn out threads and closure devices. If damage is found, do not use container, contact DuPont at the number below for instructions. Check for leaks after refilling and before transporting. If leaks are found, do not reuse or transport container, contact DuPont at the number below for instructions. Disposing of Container: Do not reuse this container for any other purpose other than refilling (see preceding). Cleaning the container before final disposal is the responsibility of the person disposing of the container. To clean the container before final disposal, use the following pressure rinsing procedure. Insert a lance fitted with a suitable tank cleaning nozzle into the container and ensure that the water spray thoroughly covers the top, bottom and all sides inside the container. The nozzle manufacturer generally provides instructions for the appropriate spray pressure, spray duration and/or spray volume. If the manufacturer's instructions are not available, pressure rinse the container for at least 60 seconds using a minimum pressure of 30 PSI with a minimum rinse volume of 10% of the container volume. Drain, pour or pump rinsate into application equipment or rinsate collection system. Repeat this pressure rinsing procedure two more times. Then, for Plastic Containers, offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration. Do not burn, unless allowed by state and local ordinances. For Metal Containers, offer for recycling if available or reconditioning if appropriate, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

Do not transport if container is damaged or leaking. If the container is damaged, leaking or obsolete, or in the event of a major spill, fire or other emergency, contact DuPont at 1-800-441-3637, day or night.

**NOTICE TO BUYER:** Purchase of this material does not confer any rights under patents of countries outside of the United States.

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Bollgard II, Bollgard 3, Roundup Ready, Roundup Ready 2 Xtend, XtendiMax, XtendFlex and VaporGrip are trademarks of Monsanto Technology LLC. All other trademarks are the property of their respective owners.

**D - 2077MSTR 101617**

## **LIMITATION OF WARRANTY AND LIABILITY**

**NOTICE:** Read this Limitation of Warranty and Liability Before Buying or Using This Product. DuPont Will Not Be Responsible for Losses or Damages Resulting from the Use of This Product in Any Manner Not Specifically Directed by DuPont. User Assumes All Risks Associated With Such Non-Directed Use.

If the Terms Are Not Acceptable, Return the Product at Once, Unopened, and the Purchase Price Will Be Refunded.

It is impossible to eliminate all risks associated with the use of this product. Such risks arise from weather conditions, soil factors, off target movement, unconventional farming techniques, presence of other materials, the manner of use or application, or other unknown factors, all of which are beyond the control of DuPont. These risks can cause: ineffectiveness of the product, crop injury, or injury to non-target crops or plants. **WHEN YOU BUY OR USE THIS PRODUCT, YOU AGREE TO ACCEPT THESE RISKS.**

DuPont warrants that this product conforms to the chemical description on the label thereof and is reasonably fit for the purpose stated in the Directions for Use, subject to the inherent risks described above, when used in accordance with the Directions for Use under normal conditions.

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, DUPONT MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR OF MERCHANTABILITY OR ANY OTHER EXPRESS OR IMPLIED WARRANTY. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, IN NO EVENT SHALL DUPONT OR SELLER BE LIABLE FOR ANY INCIDENTAL, CONSEQUENTIAL OR SPECIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT. BUYER'S OR USER'S BARGAINED-FOR EXPECTATION IS CROP PROTECTION. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER AND THE EXCLUSIVE LIABILITY OF DUPONT OR SELLER, FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY OR CONTRACT, NEGLIGENCE, TORT OR STRICT LIABILITY), WHETHER FROM FAILURE TO PERFORM OR INJURY TO CROPS OR OTHER PLANTS, AND RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT, OR AT THE ELECTION OF DUPONT OR SELLER, THE REPLACEMENT OF THE PRODUCT.

To the extent consistent with applicable law that allows such requirement, DuPont or its Ag Retailer must have prompt notice of any claim so that an immediate inspection of buyer's or user's growing crops can be made. Buyer and all users shall promptly notify DuPont or a DuPont Ag Retailer of any claims, whether based on contract, negligence, strict liability, other tort or otherwise, or be barred from any remedy.

This Limitation of Warranty and Liability may not be amended by any oral or written agreement.

For product information call: 1-888-6-DUPONT [1-888-638-7668]

Internet address: <http://cropprotection.dupont.com/>

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DuPont Crop Protection  
Stine-Haskell Research Center  
P.O. Box 30  
Newark, DE 19714-0030

**ACTION: FAST TRACK AMENDMENT**

**FEE CATEGORY: None**

**REGISTRATION FEE: None**

October 13, 2017

Ms. Kathryn Montague  
c/o Document Processing Desk (AMEND)  
Office of Pesticide Programs (7504P)  
U.S. Environmental Protection Agency  
One Potomac Yard  
2777 S. Crystal Drive  
Arlington, VA 22202

**Subject: Label Amendment**

DuPont™ FeXapan™ Herbicide (EPA Reg. No. 352-913)  
Alternate Brand Name: DuPont™ FeXapan™ Plus VaporGrip® Technology  
herbicide

Dear Ms. Montague

DuPont is herein submitting the attached voluntary amendment to Master Labeling for DuPont™ FeXapan™ Plus VaporGrip® Technology herbicide, EPA Reg. No. 352-913.

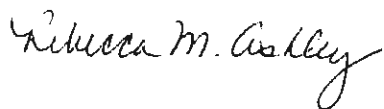
DuPont is voluntarily amending the Master Label by incorporating the dicamba tolerant soy and cotton uses from the prior DuPont™ FeXapan™ Plus VaporGrip® Technology herbicide supplemental labeling and incorporating certain additional training and recordkeeping requirements and certain other amplifications. EPA has not made a finding that DuPont™ FeXapan™ Plus VaporGrip® Technology herbicide can be involuntarily reclassified as a Restricted Use Pesticide, and DuPont does not believe that any such finding could be justified. However, to facilitate compliance with appropriate training and recordkeeping practices, DuPont is voluntarily requesting this product be classified as a Restricted Use Pesticide.

Included in this submission are the following documents:

- Cover letter
- 8570-I Application form
- Revised Master Labeling
- DuPont proposed labeling implementation plan
- DuPont proposed sticker

If you have any questions regarding this action, please contact me at 302-999-3901 or by email at [Rebecca.m.Ashley@usa.dupont.com](mailto:Rebecca.m.Ashley@usa.dupont.com)

Best regards,

A handwritten signature in black ink that reads "Rebecca M. Ashley". The signature is written in a cursive, flowing style.

Rebecca M. Ashley  
US Product Registration Manager





United States  
Environmental Protection Agency  
Washington, DC 20460

☐ Registration  
☒ Amendment  
☐ Other

OPP Identifier Number

XXXXXXX

## Application for Pesticide - Section I

|  |  |  |
|--|--|--|
| 1. Company/Product Number<br>352-913   | 2. EPA Product Manager<br>Kathryn Montague | 3. Proposed Classification<br><input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted   |
| 4. Company/Product (Name)<br>DuPont™ FeXapan™ herbicide Plus VaporGrip™ Technology   | PM#<br>23                                  |  |
| 5. Name and Address of Applicant (Include ZIP Code)<br>E. I. du Pont de Nemours & Company<br>974 Centre Road C720/2E7<br>Wilmington, DE 19805 Attention: R. M. Ashley<br><br><input type="checkbox"/> Check if this is a new address |  | 6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to:<br>EPA Reg. No. _____<br>Product Name _____ |

## Section - II

|  |  |
|--|--|
| <input checked="" type="checkbox"/> Amendment - Explain below.                 | <input type="checkbox"/> Final printed labels in response to Agency letter dated _____ |
| <input type="checkbox"/> Resubmission in response to Agency letter dated _____ | <input type="checkbox"/> "Me Too" Application.   |
| <input type="checkbox"/> Notification - Explain below.                         | <input type="checkbox"/> Other - Explain below.  |

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

Submission of amended labeling for DuPont™ FeXapan™ herbicide Plus VaporGrip™ Technology


## Section - III

|   |   |  |  |   |  |
|---|---|--|--|---|--|
| 1. Material This Product Will Be Packaged In:   |   |  |  | 2. Type of Container  |  |
| Child-Resistant Packaging<br><input type="checkbox"/> Yes*<br><input type="checkbox"/> No   | Unit Packaging<br><input type="checkbox"/> Yes<br><input type="checkbox"/> No | Water Soluble Packaging<br><input type="checkbox"/> Yes<br><input type="checkbox"/> No | <input type="checkbox"/> Metal<br><input type="checkbox"/> Plastic<br><input type="checkbox"/> Glass<br><input type="checkbox"/> Paper<br><input type="checkbox"/> Other (Specify) _____ |   |  |
| * Certification must be submitted   |   |  |  |   |  |
| If "Yes" Unit Packaging wgt. _____ No. per container _____  |   | If "Yes" Package wgt. _____ No. per container _____                                    |  |   |  |
| 3. Location of Net Contents Information<br><input type="checkbox"/> Label: <input type="checkbox"/> Container   |   | 4. Size(s) Retail Container  |  | 5. Location of Label Directions<br><input type="checkbox"/> On Label<br><input type="checkbox"/> On Labeling accompanying product |  |
| 6. Manner in Which Label is Affixed to Product<br><input type="checkbox"/> Lithograph<br><input type="checkbox"/> Paper glued<br><input type="checkbox"/> Stenciled |   | <input type="checkbox"/> Other _____   |  |   |  |

## Section - IV

|  |                                     |   |
|--|-------------------------------------|---|
| 1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)  |                                     |   |
| Name<br>Rebecca M. Ashley  | Title<br>US Registration Manager    | Telephone No. (Include Area Code)<br>302-999-3901 |
| Certification<br>I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete.<br>I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law. |                                     | 6. Date Application Received<br>(Stamped)         |
| 2. Signature<br>   | 3. Title<br>US Registration Manager |   |
| 4. Typed Name<br>Rebecca M. Ashley   | 5. Date<br>October 13, 2017         |   |

**\*Claimed confidential by submitter\***

|   |   |   |
|---|---|---|
| <br><b>United States</b><br><b>Environmental Protection Agency</b><br>Washington, DC 20460 | <div style="border: 1px solid black; padding: 2px; display: inline-block;"> <input checked="" type="checkbox"/> <b>Registration</b><br/> <input checked="" type="checkbox"/> <b>Amendment</b><br/> <input type="checkbox"/> <b>Other</b> </div> | OPP Identifier Number<br><div style="border: 1px solid black; padding: 5px; text-align: center; font-size: 1.2em;">           XXXXXX         </div> |
|---|---|---|

**Application for Pesticide - Section I**

|  |   |   |
|--|---|---|
| <b>1. Company/Product Number</b><br>352-913  | <b>2. EPA Product Manager</b><br>Kathryn Montague | <b>3. Proposed Classification</b><br><input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted   |
| <b>4. Company/Product (Name)</b><br>DuPont™ FeXapan™ herbicide Plus VaporGrip™ Technology  | <b>PM#</b><br>23                                  |   |
| <b>5. Name and Address of Applicant (Include ZIP Code)</b><br>E. I. du Pont de Nemours & Company<br>Crop Protection, P. O. Box 30<br>Newark, DE 19714-0030      Attention: R. M. Ashley<br><br><input type="checkbox"/> Check if this is a new address |   | <b>6. Expedited Review.</b> In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to:<br>EPA Reg. No. _____<br><br>Product Name _____ |

**Section - II**

|  |   |
|--|---|
| <input type="checkbox"/> Amendment - Explain below.<br><br><input type="checkbox"/> Resubmission in response to Agency letter dated _____<br><br><input checked="" type="checkbox"/> Notification - Explain below. | <input type="checkbox"/> Final printed labels in response to Agency letter dated _____<br><input type="checkbox"/> "Me Too" Application.<br><br><input type="checkbox"/> Other - Explain below. |
|--|---|

**Explanation:** Use additional page(s) if necessary. (For section I and Section II.)

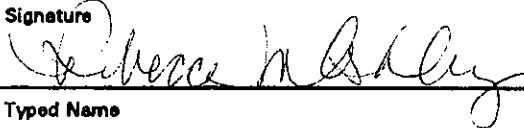
Notification to list tank mix products and nozzles to DuPont™ FeXapan™ herbicide Plus VaporGrip™ Technology via notification.

This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

**Section - III**

|  |  |   |  |  |  |                              |                   |                       |                   |
|--|--|---|--|--|--|------------------------------|-------------------|-----------------------|-------------------|
| <b>1. Material This Product Will Be Packaged In:</b>   |  |   |  | <b>2. Type of Container</b>  |  |                              |                   |                       |                   |
| <b>Child-Resistant Packaging</b><br><input type="checkbox"/> Yes*<br><input type="checkbox"/> No   | <b>Unit Packaging</b><br><input type="checkbox"/> Yes<br><input type="checkbox"/> No | <b>Water Soluble Packaging</b><br><input type="checkbox"/> Yes<br><input type="checkbox"/> No | <input type="checkbox"/> Metal<br><input type="checkbox"/> Plastic<br><input type="checkbox"/> Glass<br><input type="checkbox"/> Paper<br><input type="checkbox"/> Other (Specify) _____ | <b>* Certification must be submitted</b>   | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">If "Yes" Unit Packaging wgt.</td> <td style="width: 50%;">No. per container</td> </tr> <tr> <td style="width: 50%;">If "Yes" Package wgt.</td> <td style="width: 50%;">No. per container</td> </tr> </table> | If "Yes" Unit Packaging wgt. | No. per container | If "Yes" Package wgt. | No. per container |
| If "Yes" Unit Packaging wgt.   | No. per container  |   |  |  |  |                              |                   |                       |                   |
| If "Yes" Package wgt.  | No. per container  |   |  |  |  |                              |                   |                       |                   |
| <b>3. Location of Net Contents Information</b><br><input type="checkbox"/> Label <input type="checkbox"/> Container  |  | <b>4. Size(s) Retail Container</b>  |  | <b>5. Location of Label Directions</b><br><input type="checkbox"/> On Label<br><input type="checkbox"/> On Labeling accompanying product |  |                              |                   |                       |                   |
| <b>6. Manner in Which Label is Affixed to Product</b><br><input type="checkbox"/> Lithograph<br><input type="checkbox"/> Paper glued<br><input type="checkbox"/> Stenciled |  |   | <input type="checkbox"/> Other _____   |  |  |                              |                   |                       |                   |

**Section - IV**

|  |  |   |
|--|--|---|
| <b>1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)</b>   |  |   |
| <b>Name</b><br>Rebecca M. Ashley   | <b>Title</b><br>US Registration Manager    | <b>Telephone No. (Include Area Code)</b><br>302-451-0820  |
| <b>Certification</b><br>I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law. |  | <b>6. Date Application Received (Stamped)</b><br><br><div style="border: 1px solid black; padding: 5px; text-align: center; font-size: 1.2em;">           DOCUMENT         </div> |
| <b>2. Signature</b><br>   | <b>3. Title</b><br>US Registration Manager |   |
| <b>4. Typed Name</b><br>Rebecca M. Ashley  | <b>5. Date</b><br>3/28/2017                |   |



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

March 7, 2017

Rebecca M. Ashley  
US Product Registration Manager  
E.I. DuPont de Nemours and Company  
Chestnut Run Plaza  
974 Centre Road  
Wilmington, DE 19805

Subject: Notification per PRN 98-10 – Move hooded sprayer drift statement on DT cotton and soybean supplemental labels (under ABN)

Product Name: DuPont FeXapan Herbicide  
Alternate Brand Name: DuPont FeXapan Herbicide plus VaporGrip Technology  
EPA Registration Number: 352-913  
Application Date: February 9, 2017  
Decision Number: 526320

Dear Ms. Ashley:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 for the above referenced product. The Registration Division (RD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the action requested falls within the scope of PRN 98-10.

The labels submitted with the application have been stamped "Notification" and will be placed in our records.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide, Fungicide, and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

If you have any questions, you may contact Mindy Ondish at 703-605-0723 or via email at [ondish.mindy@epa.gov](mailto:ondish.mindy@epa.gov).

Sincerely,

Kathryn V. Montague  
Product Manager 23  
Herbicide Branch  
Registration Division (7505P)  
Office of Pesticide Programs

Highlighted Copy



## SUPPLEMENTAL LABELING

**DuPont Crop  
Protection**

### NOTIFICATION

352-913

The applicant has certified that no changes, other than those reported to the Agency have been made to the labeling. The Agency acknowledges this notification by letter dated:

03/07/2017

**DuPont™ FeXapan™ herbicide  
Plus VaporGrip™ Technology**

**FOR USE ON  
COTTON WITH  
XTENDFLEX®  
TECHNOLOGY**

## SUPPLEMENTAL LABELING

READ THE ENTIRE LABEL FOR DUPONT™ FEXAPAN™ PLUS VAPORGRIP™ TECHNOLOGY BEFORE PROCEEDING WITH THE USE DIRECTIONS CONTAINED IN THIS SUPPLEMENTAL LABELING.

When using DuPont™ FeXapan™ herbicide Plus VaporGrip™ Technology as permitted according to this supplemental labeling, read and follow all applicable directions, restrictions, and precautions on the container label and booklet provided with the product container and on this supplemental labeling. This supplemental labeling must be in the possession of the user at the time of pesticide application.

This supplemental label expires on 11/09/2018 and must not be used or distributed after this date.

## **DuPont™ FeXapan™ herbicide Plus VaporGrip™ Technology**

EPA Reg. No. 352-913

GROUP

HERBICIDE

**FOR PREEMERGENCE AND POSTEMERGENCE USE ON  
COTTON WITH XTENDFLEX® TECHNOLOGY**

Keep out of reach of children

**CAUTION!**

In case of an emergency involving this product, contact DuPont at 1-800-441-3637, day or night.

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## DIRECTIONS FOR USE

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It is a violation of Federal law to use this product in any manner inconsistent with its labeling.

This labeling must be in the possession of the user at the time of herbicide application.

COTTON WITH XTENDFLEX® TECHNOLOGY (INCLUDING BOLLGARD II® XTENDFLEX® COTTON, BOLLGARD® 3 XTENDFLEX® COTTON, OR XTENDFLEX® COTTON) CONTAINS A PATENTED GENE THAT PROVIDES TOLERANCE TO DICAMBA, THE ACTIVE INGREDIENT IN THIS PRODUCT. THIS PRODUCT WILL CAUSE SEVERE CROP INJURY OR DESTRUCTION AND YIELD LOSS IF APPLIED TO COTTON THAT ARE NOT DICAMBA TOLERANT, INCLUDING COTTON WITH A TRAIT ENGINEERED TO CONFER TOLERANCE TO AUXIN HERBICIDES OTHER THAN DICAMBA. FOLLOW THE REQUIREMENTS SET FORTH HEREIN TO PREVENT SEVERE CROP INJURY OR DESTRUCTION AND YIELD LOSS. CONTACT WITH FOLIAGE, GREEN STEMS, OR FRUIT OF CROPS, OR ANY DESIRABLE PLANTS THAT DO NOT CONTAIN A DICAMBA TOLERANCE GENE OR ARE NOT NATURALLY TOLERANT TO DICAMBA, COULD RESULT IN SEVERE PLANT INJURY OR DESTRUCTION.

Information on cotton with XtendFlex® technology can be obtained from your seed supplier or DuPont representative. Cotton seed with XtendFlex® technology must be purchased from an authorized licensed seed supplier.

The instructions contained in this DuPont Supplemental Label include all applications of DuPont™ FeXapan™ herbicide Plus VaporGrip™ Technology that may be made to cotton with XtendFlex® technology during the cropping season. DO NOT combine these instructions with other instructions in the "COTTON" Section of any DuPont™ FeXapan™ herbicide Plus VaporGrip™ Technology label for use over crops that do not contain the dicamba tolerance trait.

Note: Cotton with XtendFlex® technology and methods of controlling weeds and applying dicamba in a Cotton with XtendFlex® technology crop are protected under U.S. patent law. A license to use cotton seed with XtendFlex® technology must be obtained prior to use. No license to use cotton with XtendFlex® technology is granted or implied with the purchase of this herbicide product. Cotton with XtendFlex® technology is owned by the seed provider and a license must be obtained from the seed provider before using it. Contact your Authorized DuPont Retailer for information on obtaining a license to cotton with XtendFlex® technology.

See the "PRODUCT INFORMATION" and "APPLICATION EQUIPMENT AND TECHNIQUES" sections of the DuPont™ FeXapan™ herbicide Plus VaporGrip™ Technology product label for important use information. In the event that there are any inconsistencies with the directions for use between this supplemental label and any other labeling for this product, follow the directions for use on this supplemental label.

Training and education on proper pesticide application is encouraged. Applicators should visit [www.fexapanapplicationrequirements.dupont.com](http://www.fexapanapplicationrequirements.dupont.com) for training information and opportunities relative to this product.

**TYPES OF APPLICATIONS:** Preplant; At-Planting; Preemergence; Postemergence (In-crop)

DuPont™ FeXapan™ herbicide Plus VaporGrip™ Technology is approved by U.S. EPA to be used in the following states, subject to county restriction as noted: Alabama, Arkansas, Arizona, Colorado, Delaware, Florida (excluding Palm Beach County), Georgia, Illinois, Indiana, Iowa, Kansas, Kentucky, Louisiana, Maryland, Michigan, Minnesota, Mississippi, Missouri, Nebraska, New Jersey, New Mexico, New York, North Carolina, North Dakota, Oklahoma, Ohio, Pennsylvania, South Carolina, South Dakota, Tennessee (excluding Wilson County), Texas, Virginia, West Virginia, Wisconsin.

**Restrictions**

- Do not apply this product aerially.
- Do not make application of this product if rain is expected in the next 24 hours.

**USE INSTRUCTIONS**

Apply this product in a minimum of 10 gallons of spray solution per acre as a broadcast application. For best performance, control weeds early when they are less than 4 inches. Timely application will improve control and reduce weed competition. Refer to the following table for maximum application rates of this product with cotton with XtendFlex® technology.

| Maximum Application Rates  |   |
|--|---|
| Combined total per year for all applications   | 88 fluid ounces per acre<br>(2.0 lb. a.e. dicamba per acre) |
| Total of all Burndown/Early preplant, Preplant, At-Planting, and Preemergence applications | 44 fluid ounces per acre<br>(1.0 lb. a.e. dicamba per acre) |
| Total of all In-crop applications from emergence up to 7 days pre-harvest                  | 88 fluid ounces per acre<br>(2.0 lb. a.e. dicamba per acre) |
| Maximum In-crop, single application  | 22 fluid ounces per acre<br>(0.5 lb. a.e. dicamba per acre) |

a.e. – acid equivalent

Refer to Table 1 of the DuPont™ FeXapan™ herbicide Plus VaporGrip™ Technology label booklet for application rates for weed type and growth stage controlled by this product. Maximum in-crop application rate should be used when treating tough to control weeds, dense vegetative growth or weeds with a well-established root system.

**Preplant, At-Planting, Preemergence**

**USE INSTRUCTIONS:** This product may be used to control broadleaf weeds and may be applied before, during or immediately after planting cotton with XtendFlex® technology. Refer to the “WEEDS CONTROLLED” section of the label booklet for DuPont™ FeXapan™ herbicide Plus VaporGrip™ Technology for specific weeds controlled.

**RESTRICTIONS:** The maximum combined quantity of this product that may be applied for all preplant, at-planting, and preemergence applications is 44 fluid ounces (1.0 lb a.e. dicamba) per acre per season. The maximum application rate for a single, preplant, at-planting, or

preemergence application must not exceed 44 fluid ounces (1.0 lb a.e. dicamba) per acre. Do not apply less than 22 fluid ounces (0.5 lb a.e. dicamba) per acre.

#### **Postemergence (In-crop)**

**USE INSTRUCTIONS:** This product may be used to control broadleaf weeds in cotton with XtendFlex® technology. In-crop applications of this product can be made from emergence up to 7 days prior to harvest. The maximum and minimum rate for any single, in-crop application is 22 fluid ounces (0.5 lb a.e. dicamba) per acre. Using the appropriate application rate may reduce the selection for resistant weeds. For best performance, control weeds early when they are less than 4 inches. DuPont does not warrant product performance of applications to labeled weeds greater than 4 inches in height. Sequential applications of this product may be necessary to control new flushes of weeds or on tough-to-control weeds. Allow at least 7 days between applications. A pre-harvest application of this product may be made up to 7 days before harvest.

Postemergence applications of this product mixed with adjuvants may cause a leaf response to cotton with XtendFlex® technology. The symptoms usually appear as necrotic spots on fully expanded leaves. To reduce the incidence and severity of the necrosis, consider increasing the spray volume to 15 GPA or greater and lower adjuvant rates. EC-based products that are tank mixed with products containing dicamba may increase the severity of the leaf damage.

#### **RESTRICTIONS:**

- The combined total application rate from crop emergence up to 7 days prior to harvest must not exceed 88 fluid ounces (2.0 lb a.e. dicamba) per acre.
- The maximum single, in-crop application rate must not exceed 22 fluid ounces (0.5 lb. a.e. dicamba) per acre.
- The combined total per year for all applications must not exceed 88 fluid ounces (2.0 lb a.e. dicamba) per acre. For example, if a preplant application of 44 fluid ounces (1.0 lb a.e. dicamba) per acre was made, then the combined total in-crop applications must not exceed 44 fluid ounces (1.0 lb a.e. dicamba) per acre.
- Allow at least 7 days between applications and allow at least 7 days between final application and harvest or feeding of cottonseed and cotton gin by-products.

#### **TANK-MIXING INSTRUCTIONS**

DuPont™ FeXapan™ herbicide Plus VaporGrip™ Technology may only be tank-mixed with products that have been tested and found not to adversely affect the offsite movement potential of DuPont™ FeXapan™ herbicide Plus VaporGrip™ Technology. A list of those products may be found at [www.fexapanapplicationrequirements.dupont.com](http://www.fexapanapplicationrequirements.dupont.com). DO NOT tank mix any product with DuPont™ FeXapan™ herbicide Plus VaporGrip™ Technology unless:

1. You check the list of tested products found not to adversely affect the offsite movement potential of DuPont™ FeXapan™ herbicide Plus VaporGrip™ Technology at [www.fexapanapplicationrequirements.dupont.com](http://www.fexapanapplicationrequirements.dupont.com) no more than 7 days before applying DuPont™ FeXapan™ herbicide Plus VaporGrip™ Technology; and
  2. The intended tank-mix product is identified on the list of tested products; and
  3. The intended products are not prohibited on either this supplemental label or the label of the tank mix product.
4. Additional Warnings and Restrictions:
- Some COC, HSOC and MSO adjuvants may cause a temporary crop response.



- Do not tank mix products containing ammonium salts such as ammonium sulfate and urea ammonium nitrate.
- Drift reduction agents (DRAs) can minimize the percentage of driftable fines. However, the applicator must check [www.fexapanapplicationrequirements.dupont.com](http://www.fexapanapplicationrequirements.dupont.com) to determine if the DRA is listed and check with the DRA manufacturer to determine if the DRAs will work effectively with the approved spray nozzle, spray pressure, and the desired spray solution.

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TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, DUPONT MAKES NO RECOMMENDATION OR WARRANTY HEREIN REGARDING THE USE OF ANY PRODUCT THAT MAY APPEAR ON THE WEBSITE REFERENCED ABOVE, REGARDLESS OF WHETHER SUCH PRODUCT IS USED ALONE OR IN A TANK MIX WITH FEXAPAN™ PLUS VAPORGRIP™ TECHNOLOGY. BUYER AND ALL USERS ARE SOLELY RESPONSIBLE FOR ANY LACK OF PERFORMANCE, LOSS, OR DAMAGE IN CONNECTION WITH THE USE OR HANDLING OF ANY SUCH PRODUCT ALONE OR IN A TANK MIX WITH FEXAPAN™ PLUS VAPORGRIP™ TECHNOLOGY. See the section titled "LIMIT OF WARRANTY AND LIABILITY" herein for more information.

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## WEED RESISTANCE MANAGEMENT

Some naturally occurring weed biotypes that are tolerant (resistant) to dicamba may exist due to genetic variability in a weed population. Where resistant biotypes exist, the repeated use of herbicides with the same sites of action can lead to the selection for resistant weeds. Certain agronomic practices can delay or reduce the likelihood that resistant weed populations will develop and can be utilized to manage weed resistance once it occurs.

Do not use less than 22 fluid ounces per acre (0.5 lb a.e./A) of this product in a single application. Using the appropriate application rate can minimize the selection for resistant weeds.

Proactively implementing diversified weed control strategies to minimize selection for weed populations resistant to one or more herbicides is a best practice. A diversified weed management program may include the use of multiple herbicides with different sites of action and overlapping weed spectrum with or without tillage operations and/or other cultural practices. Research has demonstrated that using the labeled rate and directions for use is important to delay the selection for resistance.

The continued effectiveness of this product depends on the successful management of the weed resistance program; therefore, it is very important to perform the following actions.

To aid in the prevention of developing weeds resistant to this product, the following steps should be followed where practical:

- Scout fields before application to ensure herbicides and rates will be appropriate for the weed species and weed sizes present.
- Apply full rates DuPont™ FeXapan™ herbicide Plus VaporGrip™ Technology for the most difficult to control weed in the field at the specified time (correct weed size) to minimize weed escapes.

- Scout fields after application to detect weed escapes or shifts in weed species.
- Report any incidence of non-performance of this product against a particular weed species to your DuPont retailer, representative or call 1-888-6-DUPONT.
- If resistance is suspected, treat weed escapes with a herbicide having a site of action other than Group 4 and/or use non-chemical methods to remove escapes, as practical, with the goal of preventing further seed production.

Additionally, users should follow as many of the following herbicide resistance management practices as is practical:

- Use a broad spectrum soil-applied herbicide with other sites of action as a foundation in a weed control program.
- Utilize sequential applications of herbicides with alternative sites of action.
- Rotate the use of this product with non-Group 4 herbicides.
- Avoid making more than two applications of dicamba and any other Group 4 herbicides within a single growing season unless mixed with another mechanism of action with an overlapping spectrum for the difficult to control weeds.
- Incorporate non-chemical weed control practices, such as mechanical cultivation, crop rotation, cover crops and weed-free crop seeds, as part of an integrated weed control program.
- Thoroughly clean plant residues from equipment before leaving fields suspected to contain resistant weeds.
- Manage weeds in and around fields, during and after harvest to reduce weed seed production.

Contact the local agricultural extension service, DuPont representative, agricultural retailer or crop consultant for further guidance on weed control practices as needed.

## **APPLICATION EQUIPMENT AND TECHNIQUES**

**DO NOT APPLY THIS PRODUCT TO COTTON WITH XTENDFLEX® TECHNOLOGY USING AERIAL SPRAY EQUIPMENT.**

Apply this product using properly maintained and calibrated equipment capable of delivering the desired volumes.

Using a hooded sprayer in combination with approved nozzles may further reduce drift potential.

## **SPRAY DRIFT MANAGEMENT**

Do not allow herbicide solution to mist, drip, drift or splash onto desirable vegetation because severe injury or destruction to desirable broadleaf plants could result. The following drift management requirements must be followed.

### **Controlling Droplet Size**

Drift potential may be reduced by applying large droplets that provide sufficient coverage and control. Applying larger droplets can reduce drift potential, but will not prevent drift if the application is made improperly, or under unfavorable environmental conditions (see the “Wind

**Speed and Direction”, “Temperature and Humidity” and “Temperature Inversions” sections of this label).**

- **Nozzle type.** Use only Tee Jet® TT111004 nozzle with a maximum operating pressure of 63 psi when applying DuPont™ FeXapan™ herbicide Plus VaporGrip™ Technology or any other approved nozzle found at [www.fexapanapplicationrequirements.dupont.com](http://www.fexapanapplicationrequirements.dupont.com). Do not use any other nozzle and pressure combination not specifically listed on this website.
- **Spray Volume.** Apply this product in a minimum of 10 gallons of spray solution per acre. Use a higher spray volume when treating dense vegetation. Higher spray volumes may also allow the use of larger nozzle orifices (sizes) which produce coarser spray droplets.
- **Equipment Ground Speed.** Select a ground speed that will deliver the desired spray volume while maintaining the desired spray pressure, but do not exceed a ground speed of 15 miles per hour. Slower speeds generally result in better spray coverage and deposition on the target area.
- **Spray boom Height.** Spray at the appropriate boom height based on nozzle selection and nozzle spacing, but do not exceed a boom height of 24 inches above target pest or crop canopy. Set boom to lowest effective height over the target pest or crop canopy based on equipment manufacturer's directions. Automated boom height controllers are recommended with large booms to better maintain optimum nozzle to canopy height. Excessive boom height will increase the drift potential.

#### **Temperature and Humidity**

When making applications in low relative humidity or temperatures above 91 degrees Fahrenheit, set up equipment to produce larger droplets to compensate for evaporation. Larger droplets have a lower surface to volume ratio and can be impacted less by temperature and humidity. Droplet evaporation is most severe when conditions are both hot and dry.

#### **Temperature Inversions**

Do not apply this product during a temperature inversion. Drift potential can be high during a temperature inversion.

- During a temperature inversion, the atmosphere is very stable and vertical air mixing is restricted, which can cause small, suspended droplets to remain in a concentrated cloud. This cloud can move in unpredictable directions due to the light variable winds common during inversions.
- Temperature inversions are characterized by increasing temperatures with altitude and are common on evenings and nights with limited cloud cover and light to no wind. Cooling of air at the earth's surface takes place and warmer air is trapped above it. They can begin to form as the sun sets and often continue into the morning.
- Their presence can be indicated by ground fog; however, if fog is not present, inversions can also be identified by the movement of smoke from a ground source or an aircraft smoke generator. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical air mixing.
- The inversion will often dissipate with increased winds (above 3 mph) or at sunrise when the surface air begins to warm (generally 3°F from morning low).

### Wind Speed and Direction

- Drift potential is lowest between wind speeds of 3 to 10 miles per hour.
- Do not apply at wind speeds greater than 15 mph.
- For DuPont™ FeXapan™ herbicide Plus VaporGrip™ Technology wind speed and direction restrictions see below table:

| Wind speed   | Application conditions and restrictions   |
|--------------|---|
| <3 mph       | Do not apply DuPont™ FeXapan™ herbicide Plus VaporGrip™ Technology.   |
| 3-10 mph     | Optimum application conditions for DuPont™ FeXapan™ herbicide Plus VaporGrip™ Technology provided all other application requirements in this label are met. |
| >10 – 15 mph | Do not apply product when wind is blowing toward non-target sensitive crops.  |
| > 15 mph     | Do not apply DuPont™ FeXapan™ herbicide Plus VaporGrip™ Technology.   |

**NOTE:** Local terrain can influence wind patterns. Every applicator must be familiar with local wind patterns and how they affect drift.

### PROTECTION OF SENSITIVE AREAS

Maintain a 110 foot downwind buffer (when applying 22 fluid ounces of this product per acre) or a 220 foot downwind buffer (when applying 44 fluid ounces of this product per acre) between the last treated row and the closest downwind edge of the treated field (in the direction in which the wind is blowing). If any of the areas listed below are directly adjacent to the treated field, that area may be considered part of the buffer distance.

To maintain this required buffer zone:

- No application swath can be initiated in, or into an area that is within the applicable buffer distance.

The areas that may be included in the buffer distance calculation when adjacent to the treated field edges are as follows:

- Roads, paved or gravel surfaces,
- Planted agricultural fields containing: corn, dicamba tolerant cotton, dicamba tolerant soybean, sorghum, proso millet, small grains and sugarcane. If the applicator intends to include such crops as dicamba tolerant cotton and/or dicamba tolerant soybeans in the buffer distance calculation, the applicator must confirm the crops are in fact dicamba tolerant and not conventional cotton and/or soybeans.
- Agricultural fields that have been prepared for planting.
- Areas covered by the footprint of a building, silo, or other man made structure with walls and or roof.

## **Non-target Susceptible Crops**

**Failure to follow the requirements in this label could result in severe injury or destruction to desirable sensitive broadleaf crops and trees when contacting their roots, stems or foliage.**

- Do not apply under circumstances where drift may occur to food, forage, or other plantings that might be damaged or the crops thereof rendered unfit for sale, use or consumption.
- Do not allow contact of herbicide with foliage, green stems, exposed non-woody roots of crops, and desirable plants, including beans, cotton, flowers, fruit trees, grapes, ornamentals, peas, potato, soybean, sunflower, tobacco, tomato, and other broadleaf plants because severe injury or destruction may result, including plants in a greenhouse.
- Small amounts of dicamba that may not be visible may injure susceptible broadleaf plants.
- Applicators are required to ensure that they are aware of the proximity to non-target susceptible crops, and to avoid potential adverse effects from drift DuPont™ FeXapan™ herbicide Plus VaporGrip™ Technology.

**Before making an application, the applicator must survey the application site for neighboring non-target susceptible crops. The applicator must also consult sensitive crop registries to identify any commercial specialty or certified organic crops that may be located near the application site.**

**DO NOT APPLY this product when the wind is blowing toward adjacent commercially grown dicamba sensitive crops, including but not limited to, commercially grown tomatoes and other fruiting vegetables (EPA crop group 8), cucurbits (EPA crop group 9), and grapes.**

## **Application Awareness**

**AVOIDING SPRAY DRIFT AT THE APPLICATION SITE IS THE RESPONSIBILITY OF THE APPLICATOR**

The interaction of equipment and weather related factors must be monitored to maximize performance and on-target spray deposition. The applicator is responsible for considering all of these factors when making a spray decision. The applicator is responsible for compliance with state and local pesticide regulations, including any state or local pesticide drift regulations.

### **Proper spray system equipment cleanout**

Minute quantities of dicamba may cause injury to non-dicamba-tolerant soybeans and other sensitive crops (see the "Non-target Susceptible Crops" section of this label for more information). Clean equipment immediately after using this product using a triple rinse procedure as follows:

1. After spraying, drain the sprayer (including boom and lines) immediately. Do not allow the spray solution to remain in the spray boom lines overnight prior to flushing.
2. Flush tank, hoses, boom and nozzles with clean water.
3. Inspect and clean all strainers, screens and filters.
4. Prepare a cleaning solution with a commercial detergent or sprayer cleaner or ammonia according to the manufacturer's directions.

5. Take care to wash all parts of the tank, including the inside top surface. Start agitation in the sprayer and thoroughly recirculate the cleaning solution for at least 15 minutes. All visible deposits must be removed from the spraying system.
6. Flush hoses, spray lines and nozzles for at least 1 minute with the cleaning solution.
7. Repeat above steps for two additional times to accomplish an effective triple rinse.
8. Remove nozzles, screens and strainers and clean separately in the cleaning solution after completing the above procedures.
9. Appropriately dispose of rinsate from steps 1-7 in compliance with all applicable laws and regulations.
10. Drain sump, filter and lines.
11. Rinse the complete spraying system with clean water.

All rinse water must be disposed of in compliance with local, state, and federal requirements.

## **CROP ROTATIONAL RESTRICTIONS**

No rotational cropping restrictions apply when rotating to Roundup Ready 2 Xtend® Soybeans or cotton seed with XtendFlex® technology (including Bollgard® 3 XtendFlex® Cotton, Bollgard II® XtendFlex® Cotton, or XtendFlex® Cotton). For other crops the interval between application and planting rotational crop is given below. When counting days from the application of this product, do not count days when the ground is frozen. Planting at intervals less than specified below may result in crop injury. Moisture is essential for the degradation of this herbicide in soil. If dry weather prevails, use cultivation to allow herbicide contact with moist soil.

### **Planting/replanting restrictions for DuPont™ FeXapan™ herbicide Plus VaporGrip™ Technology applications of 33 fluid ounces per acre or less**

For corn, cotton (except cotton seed with XtendFlex® technology), sorghum, and soybean (except Roundup Ready 2 Xtend® Soybeans), follow the planting restrictions in the directions for use for preplant application in the **Crop-Specific Information** of the label booklet. Do not plant barley, oat, wheat, and other grass seedings for 15 days for every 11 fluid ounces of this product applied per acre east of the Mississippi River and 22 days for every 11 fluid ounces per acre applied west of the Mississippi River. No planting restrictions apply beyond 120 days after application of this product.

### **Planting/replanting restrictions for applications of more than 33 fluid ounces and up to 44 fluid ounces of DuPont™ FeXapan™ herbicide Plus VaporGrip™ Technology per acre**

Wait a minimum of 120 days after application of this product before planting corn, sorghum and cotton (except cotton seed with XtendFlex® technology) east of the Rocky Mountains and before planting all other crops (except Roundup Ready 2 Xtend® Soybeans) grown in areas receiving 30 inches or more rainfall annually. Wait a minimum of 180 days before planting crops in areas with less than 30 inches of annual rainfall. Wait a minimum of 30 days for every 22 fluid ounces of this product applied per acre before planting barley, oat, wheat, and other grass seedings east of the Mississippi River and 45 days for every 22 fluid ounces of this product applied per acre west of the Mississippi River.

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## **LIMITATION OF WARRANTY AND LIABILITY**

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**NOTICE: Read this Limitation of Warranty and Liability Before Buying or Using This Product. DuPont Will Not Be Responsible for Losses or Damages Resulting from the Use of This Product**

in Any Manner Not Specifically Directed by DuPont. User Assumes All Risks Associated With Such Non-Directed Use.

If the Terms Are Not Acceptable, Return the Product at Once, Unopened, and the Purchase Price Will Be Refunded.

It is impossible to eliminate all risks associated with the use of this product. Such risks arise from weather conditions, soil factors, off target movement, unconventional farming techniques, presence of other materials, the manner of use or application, or other unknown factors, all of which are beyond the control of DuPont. These risks can cause: ineffectiveness of the product, crop injury, or injury to non-target crops or plants. WHEN YOU BUY OR USE THIS PRODUCT, YOU AGREE TO ACCEPT THESE RISKS.

DuPont warrants that this product conforms to the chemical description on the label thereof and is reasonably fit for the purpose stated in the Directions for Use, subject to the inherent risks described above, when used in accordance with the Directions for Use under normal conditions.

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, DUPONT MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR OF MERCHANTABILITY OR ANY OTHER EXPRESS OR IMPLIED WARRANTY. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, IN NO EVENT SHALL DUPONT OR SELLER BE LIABLE FOR ANY INCIDENTAL, CONSEQUENTIAL OR SPECIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT. BUYER'S OR USER'S BARGAINED-FOR EXPECTATION IS CROP PROTECTION. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER AND THE EXCLUSIVE LIABILITY OF DUPONT OR SELLER, FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY OR CONTRACT, NEGLIGENCE, TORT OR STRICT LIABILITY), WHETHER FROM FAILURE TO PERFORM OR INJURY TO CROPS OR OTHER PLANTS, AND RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT, OR AT THE ELECTION OF DUPONT OR SELLER, THE REPLACEMENT OF THE PRODUCT.

Specifically, and without limiting the foregoing, DuPont MAKES NO RECOMMENDATION OR WARRANTY HEREIN REGARDING THE USE OF ANY PRODUCTS THAT MAY APPEAR ON THE WEBSITE REFERENCED IN THE TANK-MIXING INSTRUCTIONS HEREIN, REGARDLESS OF WHETHER SUCH PRODUCT IS USED ALONE OR IN A TANK MIX WITH DUPONT™ FEXAPAN™ HERBICIDE PLUS VAPORGRIP™ TECHNOLOGY. BUYER AND ALL USERS ARE SOLELY RESPONSIBLE FOR ANY LACK OF PERFORMANCE, LOSS, OR DAMAGE IN CONNECTION WITH THE USE OR HANDLING OF ANY SUCH PRODUCT ALONE OR IN A TANK MIX WITH DUPONT™ FEXAPAN™ HERBICIDE PLUS VAPORGRIP™ TECHNOLOGY.

For in-crop (over-the-top) uses on crops within the Roundup Ready® Xtend™ Crop System, crop safety and weed control performance are not warranted by DuPont when this product is used in conjunction with "brown bag" or "bin run" seed saved from previous year's production and replanted.

To the extent consistent with applicable law that allows such requirement, DuPont or its Ag Retailer must have prompt notice of any claim so that an immediate inspection of buyer's or user's growing crops can be made. Buyer and all users shall promptly notify DuPont or a DuPont Ag Retailer of any claims, whether based on contract, negligence, strict liability, other tort or otherwise, or be barred from any remedy.

This Limitation of Warranty and Liability may not be amended by any oral or written agreement.

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## SUPPLEMENTAL LABELING

**DuPont Crop  
Protection**

### NOTIFICATION

352-913

The applicant has certified that no changes, other than those reported to the Agency have been made to the labeling. The Agency acknowledges this notification by letter dated:

03/07/2017

**DuPont™ FeXapan™ herbicide  
Plus VaporGrip™ Technology**

**FOR USE ON  
ROUNDUP READY 2  
XTEND® SOYBEANS**

## SUPPLEMENTAL LABELING

READ THE ENTIRE LABEL FOR DUPONT™ FEXAPAN™ PLUS VAPORGRIP™ TECHNOLOGY BEFORE PROCEEDING WITH THE USE DIRECTIONS CONTAINED IN THIS SUPPLEMENTAL LABELING.

When using DuPont™ FeXapan™ herbicide Plus VaporGrip™ Technology as permitted according to this supplemental labeling, read and follow all applicable directions, restrictions, and precautions on the container label and booklet provided with the product container and on this supplemental labeling. This supplemental labeling must be in the possession of the user at the time of pesticide application.

This supplemental label expires on 11/09/2018 and must not be used or distributed after this date.

## **DuPont™ FeXapan™ herbicide Plus VaporGrip™ Technology**

EPA Reg. No. 352-913

GROUP

HERBICIDE

**FOR PREEMERGENCE AND POSTEMERGENCE USE ON  
ROUNDUP READY 2 XTEND® SOYBEANS**

Keep out of reach of children

**CAUTION!**

In case of an emergency involving this product, contact DuPont at 1-800-441-3637, day or night.

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## DIRECTIONS FOR USE

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It is a violation of Federal law to use this product in any manner inconsistent with its labeling.

This labeling must be in the possession of the user at the time of herbicide application.

ROUNDUP READY 2 XTEND® SOYBEANS CONTAIN A PATENTED GENE THAT PROVIDES TOLERANCE TO DICAMBA, THE ACTIVE INGREDIENT IN THIS PRODUCT. THIS PRODUCT WILL CAUSE SEVERE CROP INJURY OR DESTRUCTION AND YIELD LOSS IF APPLIED TO SOYBEANS THAT ARE NOT DICAMBA TOLERANT, INCLUDING SOYBEANS WITH A TRAIT ENGINEERED TO CONFER TOLERANCE TO AUXIN HERBICIDES OTHER THAN DICAMBA. FOLLOW THE REQUIREMENTS SET FORTH HEREIN TO PREVENT SEVERE CROP INJURY OR DESTRUCTION AND YIELD LOSS. CONTACT WITH FOLIAGE, GREEN STEMS, OR FRUIT OF CROPS, OR ANY DESIRABLE PLANTS THAT DO NOT CONTAIN A DICAMBA TOLERANCE GENE OR ARE NOT NATURALLY TOLERANT TO DICAMBA, COULD RESULT IN SEVERE PLANT INJURY OR DESTRUCTION.

Information on Roundup Ready 2 Xtend® Soybeans can be obtained from your seed supplier or DuPont representative. Roundup Ready 2 Xtend® Soybeans must be purchased from an authorized licensed seed supplier.

The instructions contained in this DuPont Supplemental Label include all applications of DuPont™ FeXapan™ herbicide Plus VaporGrip™ Technology that may be made to Roundup Ready 2 Xtend® Soybeans during the cropping season. DO NOT combine these instructions with other instructions in the "SOYBEAN" Section of any DuPont™ FeXapan™ herbicide Plus VaporGrip™ Technology label for use over crops that do not contain the dicamba tolerance trait.

**Note:** Roundup Ready 2 Xtend® Soybeans and methods of controlling weeds and applying dicamba in a Roundup Ready 2 Xtend® Soybean crop are protected under U.S. patent law. No license to use Roundup Ready 2 Xtend® Soybeans are granted or implied with the purchase of this herbicide product. Roundup Ready 2 Xtend® Soybeans is owned by the seed provider and a license must be obtained from the seed provider before using it. Contact your Authorized DuPont Retailer for information on obtaining a license to Roundup Ready 2 Xtend® Soybeans.

See the "PRODUCT INFORMATION" and "APPLICATION EQUIPMENT AND TECHNIQUES" sections of the DuPont™ FeXapan™ herbicide Plus VaporGrip™ Technology product label for important use information. In the event that there are any inconsistencies with the directions for use between this supplemental label and any other labeling for this product, follow the directions for use on this supplemental label.

Training and education on proper pesticide application is encouraged. Applicators should visit [www.fexapanapplicationrequirements.dupont.com](http://www.fexapanapplicationrequirements.dupont.com) for training information and opportunities relative to this product.

**TYPES OF APPLICATIONS:** Preplant; At-Planting; Preemergence; Postemergence (In-crop)

DuPont™ FeXapan™ herbicide Plus VaporGrip™ Technology is approved by U.S. EPA to be used in the following states, subject to county restriction as noted: Alabama, Arkansas, Arizona, Colorado, Delaware, Florida (excluding Palm Beach County), Georgia, Illinois, Indiana, Iowa, Kansas, Kentucky, Louisiana, Maryland, Michigan, Minnesota, Mississippi, Missouri, Nebraska, New Jersey, New Mexico, New York, North Carolina, North Dakota, Oklahoma, Ohio, Pennsylvania, South Carolina, South Dakota, Tennessee (excluding Wilson County), Texas, Virginia, West Virginia, Wisconsin.

**Restrictions**

- Do not apply this product aerially.
- Do not make application of this product if rain is expected in the next 24 hours.

**USE INSTRUCTIONS**

Apply this product in a minimum of 10 gallons of spray solution per acre as a broadcast application. For best performance, control weeds early when they are less than 4 inches. Timely application will improve control and reduce weed competition. Refer to the following table for maximum application rates of this product with Roundup Ready 2 Xtend® Soybeans.

| Maximum Application Rates  |   |
|--|---|
| Combined total per year for all applications   | 88 fluid ounces per acre<br>(2.0 lb. a.e. dicamba per acre) |
| Total of all Burndown/Early preplant, Preplant, At-Planting, and Preemergence applications               | 44 fluid ounces per acre<br>(1.0 lb. a.e. dicamba per acre) |
| Total of all In-crop applications from emergence up to and including beginning bloom (R1 stage soybeans) | 44 fluid ounces per acre<br>(1.0 lb. a.e. dicamba per acre) |
| Maximum In-crop, single application  | 22 fluid ounces per acre<br>(0.5 lb. a.e. dicamba per acre) |

a.e. – acid equivalent

Refer to Table 1 of the DuPont™ FeXapan™ herbicide Plus VaporGrip™ Technology label booklet for application rates for weed type and growth stage controlled by this product. Maximum in-crop application rate should be used when treating tough to control weeds, dense vegetative growth or weeds with a well-established root system.

**Preplant, At-Planting, Preemergence**

**USE INSTRUCTIONS:** This product may be used to control broadleaf weeds and may be applied before, during or immediately after planting Roundup Ready 2 Xtend® Soybeans. Refer to the “WEEDS CONTROLLED” section of the label booklet for DuPont™ FeXapan™ herbicide Plus VaporGrip™ Technology for specific weeds controlled.

**RESTRICTIONS:** The maximum combined quantity of this product that may be applied for all preplant, at-planting, and preemergence applications is 44 fluid ounces (1.0 lb a.e. dicamba) per acre per season. The maximum application rate for a single, preplant, at-planting, or preemergence application must not exceed 44 fluid ounces (1.0 lb a.e. dicamba) per acre. Do not apply less than 22 fluid ounces (0.5 lb a.e. dicamba) per acre.

### **Postemergence (In-crop)**

**USE INSTRUCTIONS:** This product may be used to control broadleaf weeds in Roundup Ready 2 Xtend® Soybeans. In-crop applications of this product can be made from emergence (cracking) up to and including beginning bloom (R1 growth stage of soybeans). Do not make in-crop applications of this product after beginning bloom (R1 growth stage of soybeans). The maximum and minimum rate for any single, in-crop application is 22 fluid ounces (0.5 lb a.e. dicamba) per acre. Using the appropriate application rate may reduce the selection for resistant weeds. For best performance, control weeds early when they are less than 4 inches. DuPont does not warrant product performance of applications to labeled weeds greater than 4 inches in height.

A second application of this product up to the R1 crop growth stage may be necessary to control new flushes of weeds. Allow at least 7 days between applications. For best results, apply DuPont™ FeXapan™ herbicide Plus VaporGrip™ Technology after some weed re-growth has occurred.

Application of this product postemergence and under stressful environments may cause temporary loss of turgor, a response commonly described as leaf droop in Roundup Ready 2 Xtend® Soybeans. Typically, affected plants recover in 1-3 days depending on the level of droop and environmental conditions.

### **RESTRICTIONS:**

- The combined total application rate from crop emergence up to R1 must not exceed 44 fluid ounces (1.0 lb. a.e. dicamba) per acre.
- The maximum single, in-crop application rate must not exceed 22 fluid ounces (0.5 lb. a.e. dicamba) per acre.
- The combined total per year for all applications must not exceed 88 fluid ounces (2.0 lb. a.e. dicamba) per acre.
- Allow at least 7 days between final application and harvest or feeding of soybean forage.
- Allow at least 14 days between final application and harvest or feeding of soybean hay.

### **TANK-MIXING INSTRUCTIONS**

DuPont™ FeXapan™ herbicide Plus VaporGrip™ Technology may only be tank-mixed with products that have been tested and found not to adversely affect the offsite movement potential of DuPont™ FeXapan™ herbicide Plus VaporGrip™ Technology. A list of those products may be found at [www.fexapanapplicationrequirements.dupont.com](http://www.fexapanapplicationrequirements.dupont.com). DO NOT tank mix any product with DuPont™ FeXapan™ herbicide Plus VaporGrip™ Technology unless:

1. You check the list of tested products found not to adversely affect the offsite movement potential of DuPont™ FeXapan™ herbicide Plus VaporGrip™ Technology at [www.fexapanapplicationrequirements.dupont.com](http://www.fexapanapplicationrequirements.dupont.com) no more than 7 days before applying DuPont™ FeXapan™ herbicide Plus VaporGrip™ Technology; and
2. The intended tank-mix product is identified on the list of tested products; and
3. The intended products are not prohibited on either this supplemental label or the label of the tank mix product.
4. Additional Warnings and Restrictions:
  - Some COC, HSOC and MSO adjuvants may cause a temporary crop response.

- Do not tank mix products containing ammonium salts such as ammonium sulfate and urea ammonium nitrate.
- Drift reduction agents (DRAs) can minimize the percentage of driftable fines. However, the applicator must check [www.fexapanapplicationrequirements.dupont.com](http://www.fexapanapplicationrequirements.dupont.com) to determine if the DRA is listed and check with the DRA manufacturer to determine if the DRAs will work effectively with the approved spray nozzle, spray pressure, and the desired spray solution.

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TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, DUPONT MAKES NO RECOMMENDATION OR WARRANTY HEREIN REGARDING THE USE OF ANY PRODUCT THAT MAY APPEAR ON THE WEBSITE REFERENCED ABOVE, REGARDLESS OF WHETHER SUCH PRODUCT IS USED ALONE OR IN A TANK MIX WITH FEXAPAN™ PLUS VAPORGRIP™ TECHNOLOGY. BUYER AND ALL USERS ARE SOLELY RESPONSIBLE FOR ANY LACK OF PERFORMANCE, LOSS, OR DAMAGE IN CONNECTION WITH THE USE OR HANDLING OF ANY SUCH PRODUCT ALONE OR IN A TANK MIX WITH FEXAPAN™ PLUS VAPORGRIP™ TECHNOLOGY. See the section titled "LIMIT OF WARRANTY AND LIABILITY" herein for more information.

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## **WEED RESISTANCE MANAGEMENT**

Some naturally occurring weed biotypes that are tolerant (resistant) to dicamba may exist due to genetic variability in a weed population. Where resistant biotypes exist, the repeated use of herbicides with the same sites of action can lead to the selection for resistant weeds. Certain agronomic practices can delay or reduce the likelihood that resistant weed populations will develop and can be utilized to manage weed resistance once it occurs.

Do not use less than 22 fluid ounces per acre (0.5 lb a.e./A) of this product in a single application. Using the appropriate application rate can minimize the selection for resistant weeds.

Proactively implementing diversified weed control strategies to minimize selection for weed populations resistant to one or more herbicides is a best practice. A diversified weed management program may include the use of multiple herbicides with different sites of action and overlapping weed spectrum with or without tillage operations and/or other cultural practices. Research has demonstrated that using the labeled rate and directions for use is important to delay the selection for resistance.

The continued effectiveness of this product depends on the successful management of the weed resistance program; therefore, it is very important to perform the following actions.

To aid in the prevention of developing weeds resistant to this product, the following steps should be followed where practical:

- Scout fields before application to ensure herbicides and rates will be appropriate for the weed species and weed sizes present.
- Apply full rates DuPont™ FeXapan™ herbicide Plus VaporGrip™ Technology for the most difficult to control weed in the field at the specified time (correct weed size) to minimize weed escapes.

- Scout fields after application to detect weed escapes or shifts in weed species.
- Report any incidence of non-performance of this product against a particular weed species to your DuPont retailer, representative or call 1-888-6-DUPONT.
- If resistance is suspected, treat weed escapes with a herbicide having a site of action other than Group 4 and/or use non-chemical methods to remove escapes, as practical, with the goal of preventing further seed production.

Additionally, users should follow as many of the following herbicide resistance management practices as is practical:

- Use a broad spectrum soil-applied herbicide with other sites of action as a foundation in a weed control program.
- Utilize sequential applications of herbicides with alternative sites of action.
- Rotate the use of this product with non-Group 4 herbicides.
- Avoid making more than two applications of dicamba and any other Group 4 herbicides within a single growing season unless mixed with another mechanism of action with an overlapping spectrum for the difficult to control weeds.
- Incorporate non-chemical weed control practices, such as mechanical cultivation, crop rotation, cover crops and weed-free crop seeds, as part of an integrated weed control program.
- Thoroughly clean plant residues from equipment before leaving fields suspected to contain resistant weeds.
- Manage weeds in and around fields, during and after harvest to reduce weed seed production.

Contact the local agricultural extension service, DuPont representative, agricultural retailer or crop consultant for further guidance on weed control practices as needed.

## **APPLICATION EQUIPMENT AND TECHNIQUES**

**DO NOT APPLY THIS PRODUCT TO ROUNDUP READY 2 XTEND® SOYBEANS USING AERIAL SPRAY EQUIPMENT.**

Apply this product using properly maintained and calibrated equipment capable of delivering the desired volumes.

Using a hooded sprayer in combination with approved nozzles may further reduce drift potential.

## **SPRAY DRIFT MANAGEMENT**

Do not allow herbicide solution to mist, drip, drift or splash onto desirable vegetation because severe injury or destruction to desirable broadleaf plants could result. The following drift management requirements must be followed.

### **Controlling Droplet Size**

Drift potential may be reduced by applying large droplets that provide sufficient coverage and control. Applying larger droplets can reduce drift potential, but will not prevent drift if the application is made improperly, or under unfavorable environmental conditions (see the “Wind Speed and Direction”, “Temperature and Humidity” and “Temperature Inversions” sections of this label).

- **Nozzle type.** Use only Tee Jet® TTI11004 nozzle with a maximum operating pressure of 63 psi when applying DuPont™ FeXapan™ herbicide Plus VaporGrip™ Technology or any other approved nozzle found at [www.fexapanapplicationrequirements.dupont.com](http://www.fexapanapplicationrequirements.dupont.com). Do not use any other nozzle and pressure combination not specifically listed on this website.
- **Spray Volume.** Apply this product in a minimum of 10 gallons of spray solution per acre. Use a higher spray volume when treating dense vegetation. Higher spray volumes may also allow the use of larger nozzle orifices (sizes) which produce coarser spray droplets.
- **Equipment Ground Speed.** Select a ground speed that will deliver the desired spray volume while maintaining the desired spray pressure, but do not exceed a ground speed of 15 miles per hour. Slower speeds generally result in better spray coverage and deposition on the target area.
- **Spray boom Height.** Spray at the appropriate boom height based on nozzle selection and nozzle spacing, but do not exceed a boom height of 24 inches above target pest or crop canopy. Set boom to lowest effective height over the target pest or crop canopy based on equipment manufacturer's directions. Automated boom height controllers are recommended with large booms to better maintain optimum nozzle to canopy height. Excessive boom height will increase the drift potential.

#### **Temperature and Humidity**

When making applications in low relative humidity or temperatures above 91 degrees Fahrenheit, set up equipment to produce larger droplets to compensate for evaporation. Larger droplets have a lower surface to volume ratio and can be impacted less by temperature and humidity. Droplet evaporation is most severe when conditions are both hot and dry.

#### **Temperature Inversions**

Do not apply this product during a temperature inversion. Drift potential can be high during a temperature inversion.

- During a temperature inversion, the atmosphere is very stable and vertical air mixing is restricted, which can cause small, suspended droplets to remain in a concentrated cloud. This cloud can move in unpredictable directions due to the light variable winds common during inversions.
- Temperature inversions are characterized by increasing temperatures with altitude and are common on evenings and nights with limited cloud cover and light to no wind. Cooling of air at the earth's surface takes place and warmer air is trapped above it. They can begin to form as the sun sets and often continue into the morning.
- Their presence can be indicated by ground fog; however, if fog is not present, inversions can also be identified by the movement of smoke from a ground source or an aircraft smoke generator. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical air mixing.
- The inversion will often dissipate with increased winds (above 3 mph) or at sunrise when the surface air begins to warm (generally 3°F from morning low).

### Wind Speed and Direction

- Drift potential is lowest between wind speeds of 3 to 10 miles per hour.
- Do not apply at wind speeds greater than 15 mph.
- For DuPont™ FeXapan™ herbicide Plus VaporGrip™ Technology wind speed and direction restrictions see below table:

| Wind speed   | Application conditions and restrictions   |
|--------------|---|
| <3 mph       | Do not apply DuPont™ FeXapan™ herbicide Plus VaporGrip™ Technology.   |
| 3-10 mph     | Optimum application conditions for DuPont™ FeXapan™ herbicide Plus VaporGrip™ Technology provided all other application requirements in this label are met. |
| >10 – 15 mph | Do not apply product when wind is blowing toward non-target sensitive crops.  |
| > 15 mph     | Do not apply DuPont™ FeXapan™ herbicide Plus VaporGrip™ Technology.   |

**NOTE:** Local terrain can influence wind patterns. Every applicator must be familiar with local wind patterns and how they affect drift.

### PROTECTION OF SENSITIVE AREAS

Maintain a 110 foot downwind buffer (when applying 22 fluid ounces of this product per acre) or a 220 foot downwind buffer (when applying 44 fluid ounces of this product per acre) between the last treated row and the closest downwind edge of the treated field (in the direction in which the wind is blowing). If any of the areas listed below are directly adjacent to the treated field, that area may be considered part of the buffer distance.

To maintain this required buffer zone:

- No application swath can be initiated in, or into an area that is within the applicable buffer distance.

The areas that may be included in the buffer distance calculation when adjacent to the treated field edges are as follows:

- Roads, paved or gravel surfaces,
- Planted agricultural fields containing: corn, dicamba tolerant cotton, dicamba tolerant soybean, sorghum, proso millet, small grains and sugarcane. If the applicator intends to include such crops as dicamba tolerant cotton and/or dicamba tolerant soybeans in the buffer distance calculation, the applicator must confirm the crops are in fact dicamba tolerant and not conventional cotton and/or soybeans.
- Agricultural fields that have been prepared for planting.
- Areas covered by the footprint of a building, silo, or other man made structure with walls and or roof.



## **Non-target Susceptible Crops**

**Failure to follow the requirements in this label could result in severe injury or destruction to desirable sensitive broadleaf crops and trees when contacting their roots, stems or foliage.**

- Do not apply under circumstances where drift may occur to food, forage, or other plantings that might be damaged or the crops thereof rendered unfit for sale, use or consumption.
- Do not allow contact of herbicide with foliage, green stems, exposed non-woody roots of crops, and desirable plants, including beans, cotton, flowers, fruit trees, grapes, ornamentals, peas, potato, soybean, sunflower, tobacco, tomato, and other broadleaf plants because severe injury or destruction may result, including plants in a greenhouse.
- Small amounts of dicamba that may not be visible may injure susceptible broadleaf plants.
- Applicators are required to ensure that they are aware of the proximity to non-target susceptible crops, and to avoid potential adverse effects from drift DuPont™ FeXapan™ herbicide Plus VaporGrip™ Technology.

**Before making an application, the applicator must survey the application site for neighboring non-target susceptible crops. The applicator must also consult sensitive crop registries to identify any commercial specialty or certified organic crops that may be located near the application site.**

**DO NOT APPLY this product when the wind is blowing toward adjacent commercially grown dicamba sensitive crops, including but not limited to, commercially grown tomatoes and other fruiting vegetables (EPA crop group 8), cucurbits (EPA crop group 9), and grapes.**

## **Application Awareness**

**AVOIDING SPRAY DRIFT AT THE APPLICATION SITE IS THE RESPONSIBILITY OF THE APPLICATOR**

The interaction of equipment and weather related factors must be monitored to maximize performance and on-target spray deposition. The applicator is responsible for considering all of these factors when making a spray decision. The applicator is responsible for compliance with state and local pesticide regulations, including any state or local pesticide drift regulations.

### **Proper spray system equipment cleanout**

Minute quantities of dicamba may cause injury to non-dicamba-tolerant soybeans and other sensitive crops (see the "Non-target Susceptible Crops" section of this label for more information). Clean equipment immediately after using this product using a triple rinse procedure as follows:

1. After spraying, drain the sprayer (including boom and lines) immediately. Do not allow the spray solution to remain in the spray boom lines overnight prior to flushing.
2. Flush tank, hoses, boom and nozzles with clean water.
3. Inspect and clean all strainers, screens and filters.
4. Prepare a cleaning solution with a commercial detergent or sprayer cleaner or ammonia according to the manufacturer's directions.

5. Take care to wash all parts of the tank, including the inside top surface. Start agitation in the sprayer and thoroughly recirculate the cleaning solution for at least 15 minutes. All visible deposits must be removed from the spraying system.
6. Flush hoses, spray lines and nozzles for at least 1 minute with the cleaning solution.
7. Repeat above steps for two additional times to accomplish an effective triple rinse.
8. Remove nozzles, screens and strainers and clean separately in the cleaning solution after completing the above procedures.
9. Appropriately dispose of rinsate from steps 1-7 in compliance with all applicable laws and regulations.
10. Drain sump, filter and lines.
11. Rinse the complete spraying system with clean water.

All rinse water must be disposed of in compliance with local, state, and federal requirements.

### **CROP ROTATIONAL RESTRICTIONS**

No rotational cropping restrictions apply when rotating to Roundup Ready 2 Xtend® or cotton seed with XtendFlex® technology (including Bollgard® 3 XtendFlex® Cotton, Bollgard II® XtendFlex® Cotton, or XtendFlex® Cotton). For other crops the interval between application and planting rotational crop is given below. When counting days from the application of this product, do not count days when the ground is frozen. Planting at intervals less than specified below may result in crop injury. Moisture is essential for the degradation of this herbicide in soil. If dry weather prevails, use cultivation to allow herbicide contact with moist soil.

#### **Planting/replanting restrictions for DuPont™ FeXapan™ herbicide Plus VaporGrip™ Technology applications of 33 fluid ounces per acre or less**

For corn, cotton (except cotton seed with XtendFlex® technology), sorghum, and soybean (except Roundup Ready 2 Xtend® Soybeans), follow the planting restrictions in the directions for use for preplant application in the **Crop-Specific Information** of the label booklet. Do not plant barley, oat, wheat, and other grass seedings for 15 days for every 11 fluid ounces of this product applied per acre east of the Mississippi River and 22 days for every 11 fluid ounces per acre applied west of the Mississippi River. No planting restrictions apply beyond 120 days after application of this product.

#### **Planting/replanting restrictions for applications of more than 33 fluid ounces and up to 44 fluid ounces of DuPont™ FeXapan™ herbicide Plus VaporGrip™ Technology per acre**

Wait a minimum of 120 days after application of this product before planting corn, sorghum and cotton (except cotton seed with XtendFlex® technology) east of the Rocky Mountains and before planting all other crops (except Roundup Ready 2 Xtend® Soybeans) grown in areas receiving 30 inches or more rainfall annually. Wait a minimum of 180 days before planting crops in areas with less than 30 inches of annual rainfall. Wait a minimum of 30 days for every 22 fluid ounces of this product applied per acre before planting barley, oat, wheat, and other grass seedings east of the Mississippi River and 45 days for every 22 fluid ounces of this product applied per acre west of the Mississippi River.

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### **LIMITATION OF WARRANTY AND LIABILITY**

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**NOTICE: Read this Limitation of Warranty and Liability Before Buying or Using This Product. DuPont Will Not Be Responsible for Losses or Damages Resulting from the Use of This Product**

in Any Manner Not Specifically Directed by DuPont. User Assumes All Risks Associated With Such Non-Directed Use.

If the Terms Are Not Acceptable, Return the Product at Once, Unopened, and the Purchase Price Will Be Refunded.

It is impossible to eliminate all risks associated with the use of this product. Such risks arise from weather conditions, soil factors, off target movement, unconventional farming techniques, presence of other materials, the manner of use or application, or other unknown factors, all of which are beyond the control of DuPont. These risks can cause: ineffectiveness of the product, crop injury, or injury to non-target crops or plants. WHEN YOU BUY OR USE THIS PRODUCT, YOU AGREE TO ACCEPT THESE RISKS.

DuPont warrants that this product conforms to the chemical description on the label thereof and is reasonably fit for the purpose stated in the Directions for Use, subject to the inherent risks described above, when used in accordance with the Directions for Use under normal conditions.

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, DUPONT MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR OF MERCHANTABILITY OR ANY OTHER EXPRESS OR IMPLIED WARRANTY. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, IN NO EVENT SHALL DUPONT OR SELLER BE LIABLE FOR ANY INCIDENTAL, CONSEQUENTIAL OR SPECIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT. BUYER'S OR USER'S BARGAINED-FOR EXPECTATION IS CROP PROTECTION. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER AND THE EXCLUSIVE LIABILITY OF DUPONT OR SELLER, FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY OR CONTRACT, NEGLIGENCE, TORT OR STRICT LIABILITY), WHETHER FROM FAILURE TO PERFORM OR INJURY TO CROPS OR OTHER PLANTS, AND RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT, OR AT THE ELECTION OF DUPONT OR SELLER, THE REPLACEMENT OF THE PRODUCT.

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For in-crop (over-the-top) uses on crops within the Roundup Ready® Xtend™ Crop System, crop safety and weed control performance are not warranted by DuPont when this product is used in conjunction with "brown bag" or "bin run" seed saved from previous year's production and replanted.

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This Limitation of Warranty and Liability may not be amended by any oral or written agreement.

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Bollgard II, Bollgard 3, Roundup Ready, Roundup Ready 2 Xtend, XtendiMax, XtendFlex and VaporGrip are trademarks of Monsanto Technology LLC.

All other trademarks are the property of their respective owners



DuPont Crop Protection  
Stine-Haskell Research Center  
P.O. Box 30  
Newark, DE 19714-0030

**ACTION: NOTIFICATION per PR NOTICE 98-10**

**FEE CATEGORY: None**

**REGISTRATION FEE: None**

February 9, 2017

Ms. Kathryn Montague  
c/o Document Processing Desk (NOTIF)  
Office of Pesticide Programs (7504P)  
U.S. Environmental Protection Agency  
One Potomac Yard  
2777 S. Crystal Drive  
Arlington, VA 22202

Subject: **Notification of minor label change via PR Notice 98-10**  
DuPont™ FeXapan™ Herbicide (EPA Reg. No. 352-913)  
(Alternate brand name: DuPont™ FeXapan™ Herbicide plus VaporGrip™ Technology)

Dear Ms. Montague:

As we discussed via email on February 9, enclosed is an application for Pesticide Amendment Form submitting a label change via notification to the recently approved supplementals for DuPont™ FeXapan™ Herbicide plus VaporGrip™ Technology use on dicamba tolerant cotton and soybean. Two copies of the revised supplemental labels are included, including one copy of each with highlighted changes. Copies of the currently approved supplemental labels are also enclosed for your reference (SL-1723 030812 03-07-12).

The only change made to the label is to move the following statement from the Spray Drift Management section to the Application Equipment and Techniques section:

“Using a hooded sprayer in combination with approved nozzles may further reduce drift potential.”

**This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.**

If you have any questions regarding this action, please contact me at 302-451-0829 or by email at [Rebecca.m.Ashley@usa.dupont.com](mailto:Rebecca.m.Ashley@usa.dupont.com)

Best regards,

  
Rebecca M. Ashley  
US Product Registration Manager

|   |   |   |  |
|---|---|---|--|
| <div style="display: inline-block; text-align: center; margin-left: 20px;">             United States<br/> <b>Environmental Protection Agency</b><br/>             Washington, DC 20460           </div>  |   | <input type="checkbox"/> Registration<br><input checked="" type="checkbox"/> Amendment<br><input type="checkbox"/> Other  | OPP Identifier Number<br><div style="border: 1px solid black; padding: 5px; font-family: monospace; font-size: 1.2em;">XXXXXXX</div>   |
| <b>Application for Pesticide - Section I</b>  |   |   |  |
| 1. Company/Product Number<br>352-913  |   | 2. EPA Product Manager<br>Kathryn Montague  |  |
| 4. Company/Product (Name)<br>DuPont™ FeXapan™ herbicide Plus VaporGrip™ Technology  |   | 3. Proposed Classification<br><input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted  |  |
| 5. Name and Address of Applicant (Include ZIP Code)<br>E. I. du Pont de Nemours & Company<br>Crop Protection, P. O. Box 30<br>Newark, DE 19714-0030      Attention: R. M. Ashley<br><br><input type="checkbox"/> Check if this is a new address   |   | 6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to:<br>EPA Reg. No. _____<br>Product Name _____        |  |
| <b>Section - II</b>   |   |   |  |
| <input type="checkbox"/> Amendment - Explain below.<br><input type="checkbox"/> Resubmission in response to Agency letter dated _____<br><input checked="" type="checkbox"/> Notification - Explain below.  |   | <input type="checkbox"/> Final printed labels in response to Agency letter dated _____<br><input type="checkbox"/> "Me Too" Application.<br><input type="checkbox"/> Other - Explain below. |  |
| <b>NOTIFICATION</b><br><br><div style="font-size: 1.2em; font-weight: bold;">MAR 07 2017</div>  |   |   |  |
| <b>Explanation:</b> Use additional page(s) if necessary. (For section I and Section II.)<br>Submission of revised supplemental labels for DuPont™ FeXapan™ herbicide Plus VaporGrip™ Technology via notification. This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA. |   |   |  |
| <b>Section - III</b>  |   |   |  |
| 1. Material This Product Will Be Packaged In:   |   |   |  |
| Child-Resistant Packaging<br><input type="checkbox"/> Yes*<br><input type="checkbox"/> No<br>* Certification must be submitted  | Unit Packaging<br><input type="checkbox"/> Yes<br><input type="checkbox"/> No<br>If "Yes"<br>Unit Packaging wgt.      No. per container | Water Soluble Packaging<br><input type="checkbox"/> Yes<br><input type="checkbox"/> No<br>If "Yes"<br>Package wgt      No. per container  | 2. Type of Container<br><input type="checkbox"/> Metal<br><input type="checkbox"/> Plastic<br><input type="checkbox"/> Glass<br><input type="checkbox"/> Paper<br><input type="checkbox"/> Other (Specify) _____ |
| 3. Location of Net Contents Information<br><input type="checkbox"/> Label <input type="checkbox"/> Container  |   | 4. Size(s) Retail Container   |  |
|   |   | 5. Location of Label Directions<br><input type="checkbox"/> On Label<br><input type="checkbox"/> On Labeling accompanying product   |  |
| 6. Manner in Which Label is Affixed to Product  |   | <input type="checkbox"/> Lithograph<br><input type="checkbox"/> Paper glued<br><input type="checkbox"/> Stenciled<br><input type="checkbox"/> Other _____                                   |  |
| <b>Section - IV</b>   |   |   |  |
| 1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application)  |   |   |  |
| Name<br>Rebecca M. Ashley   |   | Title<br>US Registration Manager<br>Telephone No. (Include Area Code)<br>302-451-0829   |  |
| <b>Certification</b><br>I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.  |   |   | 6. Date Application Received<br><div style="border: 1px solid black; padding: 10px; font-weight: bold;">(Stamped)</div>  |
| 2. Signature<br>  |   | 3. Title<br>US Registration Manager   |  |
| 4. Typed Name<br>Rebecca M. Ashley  |   | 5. Date<br>2/9/2017   |  |



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

February 7, 2017

Rebecca M. Ashley  
US Registration Manager  
E.I. du Pont de Nemours & Company  
Crop Protection, P.O. Box 30  
Newark, DE 19714-0030

Subject: PRIA Label Amendment – Supplemental labels adding DT Cotton and Soybean  
Product Name: DuPont™ FeXapan™ Herbicide (Alternate Brand Name  
DuPont™ FeXapan™ herbicide Plus VaporGrip™ Technology)  
EPA Registration Number: 352-913  
Application Date: December 13, 2016  
Decision Number: 524536

Dear Ms. Ashley:

The application referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable under FIFRA section 3(c)(7)(B) subject to the following conditions:

1. You must submit and/or cite all data required for registration/reregistration/registration review of your product under FIFRA when the Agency requires all registrants of similar products to submit such data.
2. Be aware that proposed data requirements have been identified in a Preliminary Work Plan under Docket ID EPA-HQ-OPP-2016-0223-0010 at [www.regulations.gov](http://www.regulations.gov). For more information on these proposed data requirements, you may contact the Chemical Review Manager in the Pesticide Re-Evaluation Division.
3. This registration will automatically expire on 11/09/2018.
4. You must maintain a website at [www.fexapanapplicationrequirements.dupont.com](http://www.fexapanapplicationrequirements.dupont.com). That website will include a list of products that have been tested pursuant to Appendix A and found, based upon such testing, not to adversely affect the spray drift properties of DuPont™ FeXapan™ herbicide. The website will identify a testing protocol, consistent with Appendix A, that is appropriate for determining whether the tested product will adversely affect the drift properties of DuPont™ FeXapan™ herbicide. The website will state that any person seeking to have a product added to the list must perform a study either pursuant to the testing protocol identified on the website or another protocol that has been approved for the particular purpose by EPA, and must submit the test data and results, along with a certification that the studies were performed either pursuant to the testing protocols identified on the website or pursuant to another protocol(s) approved by

EPA and that the results of the testing support adding the product to the list of products tested and found not to adversely affect the spray drift properties of DuPont™ FeXapan™ herbicide, to EPA. EPA will notify you when the Agency determines that a product has been certified to be appropriately added to the list, and you will add appropriately certified products to the list no more than 90 days after you receive such notice from EPA. Testing of Tank-Mix Products must be conducted in compliance with procedures as stated forth in Appendix A.

5. All test data relating to the impact of tank-mixing any product plus DuPont™ FeXapan™ herbicide on drift properties of DuPont™ FeXapan™ herbicide generated by you or somebody working for you must be submitted to EPA, along with a certification indicating whether the study was performed either pursuant to the testing protocols identified on the website or pursuant to other protocols approved by EPA and whether the results of the testing support adding the product to the list of products tested and found not to adversely affect the spray drift properties of DuPont™ FeXapan™ herbicide, at the following address: Chief of Environmental Risk Branch 1, Environmental Fate and Effects Division, Office of Pesticide Programs. If the certification states that the study was performed either pursuant to the testing protocol identified on the website or pursuant to another protocol approved by EPA, and the results of the testing support adding the product to the list of products tested and found not to adversely affect the spray drift properties of DuPont™ FeXapan™ herbicide, you may add the product to the list.

6. The prohibition of using products in a tank-mix with DuPont™ FeXapan™ herbicide unless the product used is contained on the list at [www.fexapanapplicationrequirements.dupont.com](http://www.fexapanapplicationrequirements.dupont.com), and the identification of the website address, shall be included in educational and information materials developed for DuPont™ FeXapan™ herbicide, including the materials identified in Appendix D, Section B(l).

7. You must develop and follow an Herbicide Resistance Management Plan (HRM) as laid out in Appendix D regarding grower agreements, field detection and remediation, education, evaluation, reporting, and best management practices (BMPs).

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.



Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

Your release for shipment of the product constitutes acceptance of these conditions. If you fail to satisfy these requirements, EPA will consider appropriate regulatory action including, among other things, cancellation under FIFRA section 6(e). If you have any questions, please contact Grant Rowland by phone at 703-347-0254, or via email at [rowland.grant@epa.gov](mailto:rowland.grant@epa.gov)

Sincerely,

A handwritten signature in black ink, appearing to read "Daniel V. Montez for".

Daniel Kenny, Chief  
Herbicide Branch  
Registration Division (7505P)  
Office of Pesticide Programs

Enclosure

## Appendix A

### Testing of Tank Mix Products for Spray Drift Properties

Products proposed for tank-mixing with DuPont™ FeXapan™ herbicide may be added to the list of products that will not adversely affect the spray drift properties of DuPont™ FeXapan™ herbicide contained on the web site if a study is performed under the testing conditions set forth below; the test information is reported as set forth below; and the results are interpreted as set forth below and the interpretation supports adding the tested product to the list of products that will not adversely affect the spray drift properties of DuPont™ FeXapan™ herbicide:

#### Testing Conditions

Spray chamber test using conditions described in ASTM E-2798-11; or Wind Tunnel test using conditions described in EPA Final Generic Verification Protocol for Testing Pesticide Application Spray  
Drift Reduction Technologies for Row and Field Crops (September 2013)

Testing Media: DuPont™ FeXapan™ herbicide + DuPont™ FeXapan™ herbicide  
Proposed Tank Mix Product

Test Nozzle: Tee Jet® TTI 11004 at 63

psi Number of Replicates: 3 for each tested medium

#### Reporting

Validation information as summarized in Appendix B

Full droplet spectrum to be reported for each replicate of each tested medium

Perform AGDISP (8.26) modeling run for each replicate droplet spectrum for each tested medium (AGDISP input parameters described in Appendix C)

Establish 110 foot (0.5 lb ae/A rate) or 220 foot (1.0 lb ae/A rate) spray drift deposition estimates from AGDISP run on each replicate for each tested medium

Establish mean and standard deviation of 110 foot (0.5 lb ae/A rate) or 220 foot (1.0 lb ae/A rate) deposition for the 3 replicates of each tested medium

One-tail (upper bound) t-test ( $p=Q.1$ ) to determine if proposed tank-mix product is above DuPont™ FeXapan™ herbicide 110 foot (0.5 lb ae/A rate) or 220 foot (1.0 lb ae/A rate) spray

drift deposition

#### Interpretation of Results

If mean 110 foot (0.5 lb ae/A rate) or 220 foot (1.0 lb ae/A rate) deposition for proposed tank-mix product is not statistically greater than mean 110 foot deposition for DuPont™ FeXapan™ herbicide, proposed tank-mix product can be added to the list of products that will not adversely affect the spray drift properties of DuPont™ FeXapan™ herbicide contained on the web site. If mean 110 foot (0.5 lb ae/A rate) or 220 foot (1.0 lb ae/A rate) deposition for proposed tank-mix product is statistically greater than mean 110 foot (0.5 lb ae/A rate) or 220 foot (1.0 lb ae/A rate) deposition for DuPont™ FeXapan™, proposed tank-mix product cannot be added to the list of products that will not adversely affect the spray drift properties of DuPont™ FeXapan™ herbicide contained on the web site.

Results from other testing protocols will be acceptable for adding products to the list of products that will not adversely affect the spray drift properties of DuPont™ FeXapan™ herbicide provided that EPA has determined in writing that such other protocol is appropriate for such purpose.

## **APPENDIX B**

### **Validation Criteria**

- a. Detailed information of instrument setting and measurements
    - The distance from the nozzle tips to the laser settings
    - Measurements of airspeed and flow rate of liquid
  - b. Detailed information of test substances
    - Volume composition and density of DuPont™ FeXapan™ herbicide formulation and tank mixes
  - c. Summary of the entire spray output distribution for each nozzle/tank mixes with statistical analysis of replicates.
  - d. Graphical outputs of Sympatec Helos laser diffraction particle size analyzer FOR individual spectrum
- Report of DvO.1 (SD), DvO.5 (SD), and DV0.9 (SD) as well as mean % fines of (< 141pm SD)

### Appendix C AGDISP Input Parameters

| Parameter   | Value   | Comments   |
|---|---|--|
| <b>Application Method Section</b>   |   |  |
| Method  | Ground  |  |
| Nozzle Type   | Flat fan (Default)                            | The direct use of the DSD overrides the use of "nozzle type"   |
| Boom Pressure   | 63 psi  | If nozzles/tank mixes were tested at 63 psi. It has to be consistent with tank mix as well as DuPont™ FeXapan™ herbicide for both TeeJet® and AIXR nozzles   |
| Release Height  | 3 ft  | Default  |
| Spray Lines   | 20  | Default  |
| <b>Meteorology Section</b>  |   |  |
| Wind Type   | Single height                                 | Default  |
| Wind Speed  | 15 mph  | Under bound from label   |
| Wind Direction  | -90 deg                                       | Worst-case and default   |
| Temperature   | 65 F  | Default  |
| Relative Humidity   | 50%   | Default  |
| <b>Surface Section</b>  |   |  |
| Angles  | 0   | Default  |
| Canopy  | None  | Default  |
| Surface Roughness   | 0.12 ft                                       | Mean of "crops" cover type   |
| <b>Application Technique Section</b>  |   |  |
| Nozzles   | 54, even spacing                              | Standard boom setup  |
| DSD   | From wind tunnel results, imported in library |  |
| Atmospheric stability   | Strong  | Default  |
| <b>Swath Section</b>  |   |  |
| Swath width   | 90 ft   | Standard boom  |
| Swath displacement  | 0 ft  | Worst-case   |
| <b>Spray Material Section</b>   |   |  |
| Spray volume rate   | 10 gal/A                                      | From label   |
| Volatile/nonvolatile fraction   | M 1768 at 1.72% v/v                           | To calculate volatile/nonvolatile fraction in the tank mix for the model input, provide detailed information of the tested formulations and tank mixes. See sample calculation, below <sup>1</sup> |
| <sup>1</sup> The tested mixture was 1.72% (v/v) M-1768. M-1768 has a density of 10.2 lb/gal and contains 42.8% (w/v) dicamba DGA salt (2.9 lb acid equivalent/gal).<br>For example, a 10-gallon batch would contain the following:<br>M-1768 1.71% * 10 gal = 0.172 gal ; 0.172 gal * 10.2 lb/gal = 1.753 lb<br>Water 10 gal (1280 fl oz) – 22 fl oz = 1258 fl oz = 82.0157 lb<br>Total weight 1.753 lb + 82.016 lb = 83.769 lb<br>Active ingredient fraction: 1.753 lb * 42.8% a.i. = 0.75 lb; 0.75 lb/83.769 lb = 0.00896 (dimensionless)<br>Non-volatile fraction: 0.00896/0.428 = 0.021 (dimensionless) |   |  |

## Appendix D

### HERBICIDE RESISTANCE MANAGEMENT PLAN

DuPont must:

#### A. Field Detection and Remediation Components:

1. Develop and implement an education program for growers, as set forth under the “Educational / Informational Component,” below, that identifies appropriate best management practices (BMPs), as set forth under the “Best Management Practices (BMPs) Component,” below, to avoid and control weed resistance, and that conveys to growers the importance of complying with BMPs. Such BMPs shall include that fields must be scouted after application to confirm herbicide effectiveness, and that users should report any incidence of lack of efficacy of this product against a particular weed species to DuPont or a DuPont representative.
2. If any grower informs you of a lack of herbicide efficacy, then you or your representative must make an effort to evaluate the field for “likely resistance” to DuPont™ FeXapan™ herbicide for each specific species for which lack of herbicide efficacy is reported by applying the criteria set forth in Norsworthy, *et al.*, “Reducing the Risks of Herbicide Resistance: Best Management Practices and Recommendations,” Weed Science 2012 Special Issue: 31–62 (*hereinafter* “Norsworthy criteria”)<sup>1</sup> in each specific state until resistance to dicamba is confirmed for a specific weed species in that state using acceptable scientific methods. However, for each grower, you must continue to provide stewardship about resistance management throughout their use of this product. If resistance to dicamba is confirmed in a specific state for a specific weed species, then DuPont must immediately report such confirmation to EPA and need no longer investigate reports of lack of herbicide efficacy regarding that specific species in that specific state, but DuPont must continue to make an effort to help address lack of herbicide efficacy regarding any other weed species in any such state;
3. Keep records of all field evaluations for “likely resistance” for a period of 3 years, and make such copies available to EPA upon request; and
4. If one or more of the Norsworthy criteria are met, then for a weed species not already confirmed to be resistant to dicamba in that specific state, DuPont will:
  - a. Provide the grower with specific information and recommendations to control and contain likely resistant weeds, including retreatment and/or other non-chemical controls,

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<sup>1</sup> The Norsworthy “likely herbicide resistance” criteria are: (1) failure to control a weed species normally controlled by the herbicide at the dose applied, especially if control is achieved on adjacent weeds; or (2) a spreading patch of uncontrolled plants of a particular weed species; or (3) surviving plants mixed with controlled individuals of the same species. The identification of any of these criteria in the field indicates that “likely herbicide resistance” is present.

as appropriate. If requested by the grower, DuPont or their agent will become actively involved in implementation of weed control measures;

- b. Request, at the time of the initial determination that one or more of the Norsworthy criteria are met and prior to any application of alternative control practices, that the grower provide you with access to the relevant field(s) to collect specimens of the likely resistant weeds (potted specimens or seeds) for further evaluation in the greenhouse or laboratory, and so collect such specimens if possible (or, alternatively, request that the grower provide such specimens to you, at your expense);
- c. Commence greenhouse or laboratory studies to confirm resistance as soon as practicable following sample collection;
- d. To the extent possible, contact or visit the grower in an appropriate timeframe after implementation of the additional weed control measures in order to evaluate success of such measures; and
- e. If the additional weed control measures were not successful in controlling the likely resistant weeds, then:
  - i. Work with the grower to determine the reason(s) why the additional control measures were not successful;
  - ii. Report annually the inability to control the likely resistant weeds to relevant stakeholders; and
  - iii. Offer to further assist the grower in controlling and containing the likely resistant weeds, including retreatment and/or other non-chemical controls, as appropriate.

**B. Educational / Informational Component:**

1. Develop and implement an education program for growers that includes the following elements:
  - a. The education program shall identify appropriate best management practices (BMPs), set forth under the “Best Management Practices (BMPs) Component,” below, to avoid and control weed resistance, and shall convey to growers the importance of complying with BMPs;
  - b. The education program shall include at least one written communication regarding herbicide resistance management each year, directed to users of DuPont™ FeXapan™ herbicide for use over-the-top on dicamba tolerant soybean or cotton; and
  - c. You must make the education program available to DuPont sales representatives for distribution to growers.

2. Provide to EPA the original education program within three months of the issuance of this registration.

**C. Evaluation Component:**

1. DuPont will annually conduct a survey directed to users of DuPont™ FeXapan™ herbicide for use over-the-top of dicamba tolerant soybeans or cotton. This survey must be based on a statistically representative sample. The sample size and geographical resolution should be adequate to allow analysis of responses within regions, between regions, and across the United States. This survey shall evaluate, at a minimum, the following:
  - a. Growers' adherence to the terms of the DuPont™ FeXapan™ herbicide Use Directions and Label Restrictions, and
  - b. Whether growers have encountered any perceived issue with non-performance or lack of efficacy of DuPont™ FeXapan™ herbicide and, if so, how growers have responded.
2. Utilize the results from the survey described in paragraph 1 of this section to annually review, and modify as appropriate for the upcoming growing season, the following:
  - a. Efforts aimed at achieving adoption of BMP's;
  - b. Responses to incidents of likely resistance and confirmed resistance; and
  - c. The education program. At the initiative of either EPA or DuPont, EPA and DuPont shall consult about possible modifications of the education program.

**D. Reporting Component:**

1. Submit annual reports to EPA by January 15 of each year, beginning on January 15, 2018. Such reports shall include:
  - a. Annual sales of DuPont™ FeXapan™ herbicide by state;
  - b. The first annual report shall include the current education program and associated materials, and subsequent annual reports shall include updates of any aspect of the education program and associated materials that have materially changed since submission of the previous annual report;
  - c. Summary of your efforts aimed at achieving implementation of BMP's;
  - d. Summary of your determinations as to whether any reported lack of herbicide efficacy was "likely resistance," your follow-up actions taken, and, if available, the ultimate



outcome (e.g., evaluation of success of additional weed control measures) regarding each case of “likely resistance.” In the annual report, DuPont will list the cases of likely resistance by county and state.

The results of the annual survey described in paragraph 1 under “Evaluation Component,” above, including whether growers are implementing herbicide resistance BMPs, and a summary of your annual review and possible modification – based on that survey – of the education program, and response to reports of likely resistance, described in paragraph 2 under “Evaluation Component,” above; and

- e. Summary of the status of any laboratory and greenhouse testing performed by, or at the direction of, DuPont following up on incidents of likely resistance, performed in the previous year. Data pertaining to such testing need not be included in the annual reports, but such data must be made available to EPA upon request.
1. Following your submission of the annual report, you shall meet with the EPA at EPA’s request in order to evaluate and consider the information contained in the report.

**E. Best Management Practices (BMPs) Component:**

1. Best management practices (BMPs) must be identified in your education program. Growers will be advised of BMP’s in product literature, educational materials and training. The following are examples of BMPs:
  - a. Regarding crop selection and cultural practices:
    - i. Understand the biology of the weeds present.
    - ii. Use a diversified approach toward weed management focused on preventing weed seed production and reducing the number of weed seeds in the soil seed-bank.
    - iii. Emphasize cultural practices that suppress weeds by using crop competitiveness.
    - iv. Plant into weed free fields, keep fields as weed free as possible, and note areas where weeds were a problem in prior seasons.
    - v. Incorporate additional weed control practices whenever possible, such as mechanical cultivation, biological management practices, crop rotation, and weed-free crop seeds, as part of an integrated weed control program.
    - vi. Do not allow weed escapes to produce seeds, roots or tubers.
    - vii. Manage weed seed at harvest and post-harvest to prevent a buildup of the weed seed- bank.

- viii. Prevent field-to-field and within-field movement of weed seed or vegetative propagules.
- ix. Thoroughly clean plant residues from equipment before leaving fields.
- x. Prevent an influx of weeds into the field by managing field borders.
- xi. Fields must be scouted before application to ensure that herbicides and application rates will be appropriate for the weed species and weed sizes present.
- xii. Fields must be scouted after application to confirm herbicide effectiveness and to detect weed escapes.
- xiii. If resistance is suspected, treat weed escapes with an alternate mode of action or use non-chemical methods to remove escapes.

b. Regarding herbicide selection:

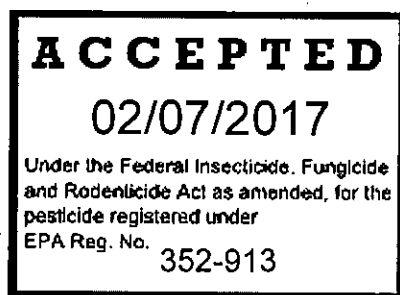
- i. Use a broad spectrum soil applied herbicide with a mechanism of action that differs from this product as a foundation in a weed control program.
- ii. A broad spectrum weed control program should consider all of the weeds present in the field. Weeds should be identified through scouting and field history.
- iii. Difficult to control weeds may require sequential applications of herbicides with alternative mechanisms of action.
- iv. Fields with difficult to control weeds should be rotated to crops that allow the use of herbicides with alternative mechanisms of action.
- v. Apply full rates of this herbicide for the most difficult to control weed in the field. Applications should be made when weeds are at the correct size to minimize weed escapes.
- vi. Do not use more than two applications of this herbicide or any herbicide with the same mechanism of action within a single growing season unless mixed with another mechanism of action herbicide with overlapping spectrum for the difficult to control weeds.
- vii. Report any incidence of lack of efficacy of this product against a particular weed species to DuPont or a DuPont representative.

This list may be updated or revised as new information becomes available.



## SUPPLEMENTAL LABELING

**DuPont Crop  
Protection**



**DuPont™ FeXapan™ herbicide  
Plus VaporGrip™ Technology**

**FOR USE ON  
COTTON WITH  
XTENDFLEX®  
TECHNOLOGY**

## SUPPLEMENTAL LABELING

READ THE ENTIRE LABEL FOR DUPONT™ FEXAPAN™ PLUS VAPORGRIP™ TECHNOLOGY BEFORE PROCEEDING WITH THE USE DIRECTIONS CONTAINED IN THIS SUPPLEMENTAL LABELING.

When using DuPont™ FeXapan™ herbicide Plus VaporGrip™ Technology as permitted according to this supplemental labeling, read and follow all applicable directions, restrictions, and precautions on the container label and booklet provided with the product container and on this supplemental labeling. This supplemental labeling must be in the possession of the user at the time of pesticide application.

This supplemental label expires on 11/09/2018 and must not be used or distributed after this date.

## **DuPont™ FeXapan™ herbicide Plus VaporGrip™ Technology**

EPA Reg. No. 352-913

|       |   |           |
|-------|---|-----------|
| GROUP | 4 | HERBICIDE |
|-------|---|-----------|

**FOR PREEMERGENCE AND POSTEMERGENCE USE ON  
COTTON WITH XTENDFLEX® TECHNOLOGY**

Keep out of reach of children

**CAUTION!**

In case of an emergency involving this product, contact DuPont at 1-800-441-3637, day or night.

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## DIRECTIONS FOR USE

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It is a violation of Federal law to use this product in any manner inconsistent with its labeling.

This labeling must be in the possession of the user at the time of herbicide application.

COTTON WITH XTENDFLEX® TECHNOLOGY (INCLUDING BOLLGARD II® XTENDFLEX® COTTON, BOLLGARD® 3 XTENDFLEX® COTTON, OR XTENDFLEX® COTTON) CONTAINS A PATENTED GENE THAT PROVIDES TOLERANCE TO DICAMBA, THE ACTIVE INGREDIENT IN THIS PRODUCT. THIS PRODUCT WILL CAUSE SEVERE CROP INJURY OR DESTRUCTION AND YIELD LOSS IF APPLIED TO COTTON THAT ARE NOT DICAMBA TOLERANT, INCLUDING COTTON WITH A TRAIT ENGINEERED TO CONFER TOLERANCE TO AUXIN HERBICIDES OTHER THAN DICAMBA. FOLLOW THE REQUIREMENTS SET FORTH HEREIN TO PREVENT SEVERE CROP INJURY OR DESTRUCTION AND YIELD LOSS. CONTACT WITH FOLIAGE, GREEN STEMS, OR FRUIT OF CROPS, OR ANY DESIRABLE PLANTS THAT DO NOT CONTAIN A DICAMBA TOLERANCE GENE OR ARE NOT NATURALLY TOLERANT TO DICAMBA, COULD RESULT IN SEVERE PLANT INJURY OR DESTRUCTION.

Information on cotton with XtendFlex® technology can be obtained from your seed supplier or DuPont representative. Cotton seed with XtendFlex® technology must be purchased from an authorized licensed seed supplier.

The instructions contained in this DuPont Supplemental Label include all applications of DuPont™ FeXapan™ herbicide Plus VaporGrip™ Technology that may be made to cotton with XtendFlex® technology during the cropping season. DO NOT combine these instructions with other instructions in the "COTTON" Section of any DuPont™ FeXapan™ herbicide Plus VaporGrip™ Technology label for use over crops that do not contain the dicamba tolerance trait.

Note: Cotton with XtendFlex® technology and methods of controlling weeds and applying dicamba in a Cotton with XtendFlex® technology crop are protected under U.S. patent law. A license to use cotton seed with XtendFlex® technology must be obtained prior to use. No license to use cotton with XtendFlex® technology is granted or implied with the purchase of this herbicide product. Cotton with XtendFlex® technology is owned by the seed provider and a license must be obtained from the seed provider before using it. Contact your Authorized DuPont Retailer for information on obtaining a license to cotton with XtendFlex® technology.

See the "PRODUCT INFORMATION" and "APPLICATION EQUIPMENT AND TECHNIQUES" sections of the DuPont™ FeXapan™ herbicide Plus VaporGrip™ Technology product label for important use information. In the event that there are any inconsistencies with the directions for use between this supplemental label and any other labeling for this product, follow the directions for use on this supplemental label.

Training and education on proper pesticide application is encouraged. Applicators should visit [www.fexapanapplicationrequirements.dupont.com](http://www.fexapanapplicationrequirements.dupont.com) for training information and opportunities relative to this product.

**TYPES OF APPLICATIONS:** Preplant; At-Planting; Preemergence; Postemergence (In-crop)

DuPont™ FeXapan™ herbicide Plus VaporGrip™ Technology is approved by U.S. EPA to be used in the following states, subject to county restriction as noted: Alabama, Arkansas, Arizona, Colorado, Delaware, Florida (excluding Palm Beach County), Georgia, Illinois, Indiana, Iowa, Kansas, Kentucky, Louisiana, Maryland, Michigan, Minnesota, Mississippi, Missouri, Nebraska, New Jersey, New Mexico, New York, North Carolina, North Dakota, Oklahoma, Ohio, Pennsylvania, South Carolina, South Dakota, Tennessee (excluding Wilson County), Texas, Virginia, West Virginia, Wisconsin.

#### **Restrictions**

- Do not apply this product aerially.
- Do not make application of this product if rain is expected in the next 24 hours.

#### **USE INSTRUCTIONS**

Apply this product in a minimum of 10 gallons of spray solution per acre as a broadcast application. For best performance, control weeds early when they are less than 4 inches. Timely application will improve control and reduce weed competition. Refer to the following table for maximum application rates of this product with cotton with XtendFlex® technology.

| <b>Maximum Application Rates</b>   |   |
|--|---|
| Combined total per year for all applications   | 88 fluid ounces per acre<br>(2.0 lb. a.e. dicamba per acre) |
| Total of all Burndown/Early preplant, Preplant, At-Planting, and Preemergence applications | 44 fluid ounces per acre<br>(1.0 lb. a.e. dicamba per acre) |
| Total of all In-crop applications from emergence up to 7 days pre-harvest                  | 88 fluid ounces per acre<br>(2.0 lb. a.e. dicamba per acre) |
| Maximum In-crop, single application  | 22 fluid ounces per acre<br>(0.5 lb. a.e. dicamba per acre) |

a.e. – acid equivalent

Refer to Table 1 of the DuPont™ FeXapan™ herbicide Plus VaporGrip™ Technology label booklet for application rates for weed type and growth stage controlled by this product. Maximum in-crop application rate should be used when treating tough to control weeds, dense vegetative growth or weeds with a well-established root system.

#### **Preplant, At-Planting, Preemergence**

**USE INSTRUCTIONS:** This product may be used to control broadleaf weeds and may be applied before, during or immediately after planting cotton with XtendFlex® technology. Refer to the “WEEDS CONTROLLED” section of the label booklet for DuPont™ FeXapan™ herbicide Plus VaporGrip™ Technology for specific weeds controlled.

**RESTRICTIONS:** The maximum combined quantity of this product that may be applied for all preplant, at-planting, and preemergence applications is 44 fluid ounces (1.0 lb a.e. dicamba) per acre per season. The maximum application rate for a single, preplant, at-planting, or

preemergence application must not exceed 44 fluid ounces (1.0 lb a.e. dicamba) per acre. Do not apply less than 22 fluid ounces (0.5 lb a.e. dicamba) per acre.

### **Postemergence (In-crop)**

**USE INSTRUCTIONS:** This product may be used to control broadleaf weeds in cotton with XtendFlex® technology. In-crop applications of this product can be made from emergence up to 7 days prior to harvest. The maximum and minimum rate for any single, in-crop application is 22 fluid ounces (0.5 lb a.e. dicamba) per acre. Using the appropriate application rate may reduce the selection for resistant weeds. For best performance, control weeds early when they are less than 4 inches. DuPont does not warrant product performance of applications to labeled weeds greater than 4 inches in height. Sequential applications of this product may be necessary to control new flushes of weeds or on tough-to-control weeds. Allow at least 7 days between applications. A pre-harvest application of this product may be made up to 7 days before harvest.

Postemergence applications of this product mixed with adjuvants may cause a leaf response to cotton with XtendFlex® technology. The symptoms usually appear as necrotic spots on fully expanded leaves. To reduce the incidence and severity of the necrosis, consider increasing the spray volume to 15 GPA or greater and lower adjuvant rates. EC-based products that are tank mixed with products containing dicamba may increase the severity of the leaf damage.

### **RESTRICTIONS:**

- The combined total application rate from crop emergence up to 7 days prior to harvest must not exceed 88 fluid ounces (2.0 lb a.e. dicamba) per acre.
- The maximum single, in-crop application rate must not exceed 22 fluid ounces (0.5 lb. a.e. dicamba) per acre.
- The combined total per year for all applications must not exceed 88 fluid ounces (2.0 lb a.e. dicamba) per acre. For example, if a preplant application of 44 fluid ounces (1.0 lb a.e. dicamba) per acre was made, then the combined total in-crop applications must not exceed 44 fluid ounces (1.0 lb a.e. dicamba) per acre.
- Allow at least 7 days between applications and allow at least 7 days between final application and harvest or feeding of cottonseed and cotton gin by-products.

### **TANK-MIXING INSTRUCTIONS**

DuPont™ FeXapan™ herbicide Plus VaporGrip™ Technology may only be tank-mixed with products that have been tested and found not to adversely affect the offsite movement potential of DuPont™ FeXapan™ herbicide Plus VaporGrip™ Technology. A list of those products may be found at [www.fexapanapplicationrequirements.dupont.com](http://www.fexapanapplicationrequirements.dupont.com). DO NOT tank mix any product with DuPont™ FeXapan™ herbicide Plus VaporGrip™ Technology unless:

1. You check the list of tested products found not to adversely affect the offsite movement potential of DuPont™ FeXapan™ herbicide Plus VaporGrip™ Technology at [www.fexapanapplicationrequirements.dupont.com](http://www.fexapanapplicationrequirements.dupont.com) no more than 7 days before applying DuPont™ FeXapan™ herbicide Plus VaporGrip™ Technology; and
2. The intended tank-mix product is identified on the list of tested products; and
3. The intended products are not prohibited on either this supplemental label or the label of the tank mix product.
4. Additional Warnings and Restrictions:
  - Some COC, HSOC and MSO adjuvants may cause a temporary crop response.

- Do not tank mix products containing ammonium salts such as ammonium sulfate and urea ammonium nitrate.
- Drift reduction agents (DRAs) can minimize the percentage of driftable fines. However, the applicator must check [www.fexapanapplicationrequirements.dupont.com](http://www.fexapanapplicationrequirements.dupont.com) to determine if the DRA is listed and check with the DRA manufacturer to determine if the DRAs will work effectively with the approved spray nozzle, spray pressure, and the desired spray solution.

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TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, DUPONT MAKES NO RECOMMENDATION OR WARRANTY HEREIN REGARDING THE USE OF ANY PRODUCT THAT MAY APPEAR ON THE WEBSITE REFERENCED ABOVE, REGARDLESS OF WHETHER SUCH PRODUCT IS USED ALONE OR IN A TANK MIX WITH FEXAPAN™ PLUS VAPORGRIP™ TECHNOLOGY. BUYER AND ALL USERS ARE SOLELY RESPONSIBLE FOR ANY LACK OF PERFORMANCE, LOSS, OR DAMAGE IN CONNECTION WITH THE USE OR HANDLING OF ANY SUCH PRODUCT ALONE OR IN A TANK MIX WITH FEXAPAN™ PLUS VAPORGRIP™ TECHNOLOGY. See the section titled "LIMIT OF WARRANTY AND LIABILITY" herein for more information.

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## WEED RESISTANCE MANAGEMENT

Some naturally occurring weed biotypes that are tolerant (resistant) to dicamba may exist due to genetic variability in a weed population. Where resistant biotypes exist, the repeated use of herbicides with the same sites of action can lead to the selection for resistant weeds. Certain agronomic practices can delay or reduce the likelihood that resistant weed populations will develop and can be utilized to manage weed resistance once it occurs.

Do not use less than 22 fluid ounces per acre (0.5 lb a.e./A) of this product in a single application. Using the appropriate application rate can minimize the selection for resistant weeds.

Proactively implementing diversified weed control strategies to minimize selection for weed populations resistant to one or more herbicides is a best practice. A diversified weed management program may include the use of multiple herbicides with different sites of action and overlapping weed spectrum with or without tillage operations and/or other cultural practices. Research has demonstrated that using the labeled rate and directions for use is important to delay the selection for resistance.

The continued effectiveness of this product depends on the successful management of the weed resistance program; therefore, it is very important to perform the following actions.

To aid in the prevention of developing weeds resistant to this product, the following steps should be followed where practical:

- Scout fields before application to ensure herbicides and rates will be appropriate for the weed species and weed sizes present.
- Apply full rates DuPont™ FeXapan™ herbicide Plus VaporGrip™ Technology for the most difficult to control weed in the field at the specified time (correct weed size) to minimize weed escapes.

- Scout fields after application to detect weed escapes or shifts in weed species.
- Report any incidence of non-performance of this product against a particular weed species to your DuPont retailer, representative or call 1-888-6-DUPONT.
- If resistance is suspected, treat weed escapes with a herbicide having a site of action other than Group 4 and/or use non-chemical methods to remove escapes, as practical, with the goal of preventing further seed production.

Additionally, users should follow as many of the following herbicide resistance management practices as is practical:

- Use a broad spectrum soil-applied herbicide with other sites of action as a foundation in a weed control program.
- Utilize sequential applications of herbicides with alternative sites of action.
- Rotate the use of this product with non-Group 4 herbicides.
- Avoid making more than two applications of dicamba and any other Group 4 herbicides within a single growing season unless mixed with another mechanism of action with an overlapping spectrum for the difficult to control weeds.
- Incorporate non-chemical weed control practices, such as mechanical cultivation, crop rotation, cover crops and weed-free crop seeds, as part of an integrated weed control program.
- Thoroughly clean plant residues from equipment before leaving fields suspected to contain resistant weeds.
- Manage weeds in and around fields, during and after harvest to reduce weed seed production.

Contact the local agricultural extension service, DuPont representative, agricultural retailer or crop consultant for further guidance on weed control practices as needed.

## **APPLICATION EQUIPMENT AND TECHNIQUES**

**DO NOT APPLY THIS PRODUCT TO COTTON WITH XTENDFLEX® TECHNOLOGY USING AERIAL SPRAY EQUIPMENT.**

Apply this product using properly maintained and calibrated equipment capable of delivering the desired volumes.

## **SPRAY DRIFT MANAGEMENT**

Do not allow herbicide solution to mist, drip, drift or splash onto desirable vegetation because severe injury or destruction to desirable broadleaf plants could result. The following drift management requirements must be followed.

### **Controlling Droplet Size**

Drift potential may be reduced by applying large droplets that provide sufficient coverage and control. Applying larger droplets can reduce drift potential, but will not prevent drift if the application is made improperly, or under unfavorable environmental conditions (see the “**Wind Speed and Direction**”, “**Temperature and Humidity**” and “**Temperature Inversions**” sections of this label).



- **Nozzle type.** Use only Tee Jet® TTI11004 nozzle with a maximum operating pressure of 63 psi when applying DuPont™ FeXapan™ herbicide Plus VaporGrip™ Technology or any other approved nozzle found at [www.fexapanapplicationrequirements.dupont.com](http://www.fexapanapplicationrequirements.dupont.com). Do not use any other nozzle and pressure combination not specifically listed on this website.
- **Hooded Sprayers.** Using a hooded sprayer in combination with approved nozzles may further reduce drift potential.
- **Spray Volume.** Apply this product in a minimum of 10 gallons of spray solution per acre. Use a higher spray volume when treating dense vegetation. Higher spray volumes may also allow the use of larger nozzle orifices (sizes) which produce coarser spray droplets.
- **Equipment Ground Speed.** Select a ground speed that will deliver the desired spray volume while maintaining the desired spray pressure, but do not exceed a ground speed of 15 miles per hour. Slower speeds generally result in better spray coverage and deposition on the target area.
- **Spray boom Height.** Spray at the appropriate boom height based on nozzle selection and nozzle spacing, but do not exceed a boom height of 24 inches above target pest or crop canopy. Set boom to lowest effective height over the target pest or crop canopy based on equipment manufacturer's directions. Automated boom height controllers are recommended with large booms to better maintain optimum nozzle to canopy height. Excessive boom height will increase the drift potential.

### Temperature and Humidity

When making applications in low relative humidity or temperatures above 91 degrees Fahrenheit, set up equipment to produce larger droplets to compensate for evaporation. Larger droplets have a lower surface to volume ratio and can be impacted less by temperature and humidity. Droplet evaporation is most severe when conditions are both hot and dry.

### Temperature Inversions

Do not apply this product during a temperature inversion. Drift potential can be high during a temperature inversion.

- During a temperature inversion, the atmosphere is very stable and vertical air mixing is restricted, which can cause small, suspended droplets to remain in a concentrated cloud. This cloud can move in unpredictable directions due to the light variable winds common during inversions.
- Temperature inversions are characterized by increasing temperatures with altitude and are common on evenings and nights with limited cloud cover and light to no wind. Cooling of air at the earth's surface takes place and warmer air is trapped above it. They can begin to form as the sun sets and often continue into the morning.
- Their presence can be indicated by ground fog; however, if fog is not present, inversions can also be identified by the movement of smoke from a ground source or an aircraft smoke generator. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical air mixing.
- The inversion will often dissipate with increased winds (above 3 mph) or at sunrise when the surface air begins to warm (generally 3°F from morning low).

### Wind Speed and Direction

- Drift potential is lowest between wind speeds of 3 to 10 miles per hour.
- Do not apply at wind speeds greater than 15 mph.
- For DuPont™ FeXapan™ herbicide Plus VaporGrip™ Technology wind speed and direction restrictions see below table:

| Wind speed   | Application conditions and restrictions   |
|--------------|---|
| <3 mph       | Do not apply DuPont™ FeXapan™ herbicide Plus VaporGrip™ Technology.   |
| 3-10 mph     | Optimum application conditions for DuPont™ FeXapan™ herbicide Plus VaporGrip™ Technology provided all other application requirements in this label are met. |
| >10 – 15 mph | Do not apply product when wind is blowing toward non-target sensitive crops.  |
| > 15 mph     | Do not apply DuPont™ FeXapan™ herbicide Plus VaporGrip™ Technology.   |

**NOTE:** Local terrain can influence wind patterns. Every applicator must be familiar with local wind patterns and how they affect drift.

### PROTECTION OF SENSITIVE AREAS

Maintain a 110 foot downwind buffer (when applying 22 fluid ounces of this product per acre) or a 220 foot downwind buffer (when applying 44 fluid ounces of this product per acre) between the last treated row and the closest downwind edge of the treated field (in the direction in which the wind is blowing). If any of the areas listed below are directly adjacent to the treated field, that area may be considered part of the buffer distance.

To maintain this required buffer zone:

- No application swath can be initiated in, or into an area that is within the applicable buffer distance.

The areas that may be included in the buffer distance calculation when adjacent to the treated field edges are as follows:

- Roads, paved or gravel surfaces,
- Planted agricultural fields containing: corn, dicamba tolerant cotton, dicamba tolerant soybean, sorghum, proso millet, small grains and sugarcane. If the applicator intends to include such crops as dicamba tolerant cotton and/or dicamba tolerant soybeans in the buffer distance calculation, the applicator must confirm the crops are in fact dicamba tolerant and not conventional cotton and/or soybeans.
- Agricultural fields that have been prepared for planting.
- Areas covered by the footprint of a building, silo, or other man made structure with walls and or roof.

## **Non-target Susceptible Crops**

**Failure to follow the requirements in this label could result in severe injury or destruction to desirable sensitive broadleaf crops and trees when contacting their roots, stems or foliage.**

- Do not apply under circumstances where drift may occur to food, forage, or other plantings that might be damaged or the crops thereof rendered unfit for sale, use or consumption.
- Do not allow contact of herbicide with foliage, green stems, exposed non-woody roots of crops, and desirable plants, including beans, cotton, flowers, fruit trees, grapes, ornamentals, peas, potato, soybean, sunflower, tobacco, tomato, and other broadleaf plants because severe injury or destruction may result, including plants in a greenhouse.
- Small amounts of dicamba that may not be visible may injure susceptible broadleaf plants.
- Applicators are required to ensure that they are aware of the proximity to non-target susceptible crops, and to avoid potential adverse effects from drift DuPont™ FeXapan™ herbicide Plus VaporGrip™ Technology.

**Before making an application, the applicator must survey the application site for neighboring non-target susceptible crops. The applicator must also consult sensitive crop registries to identify any commercial specialty or certified organic crops that may be located near the application site.**

**DO NOT APPLY this product when the wind is blowing toward adjacent commercially grown dicamba sensitive crops, including but not limited to, commercially grown tomatoes and other fruiting vegetables (EPA crop group 8), cucurbits (EPA crop group 9), and grapes.**

## **Application Awareness**

**AVOIDING SPRAY DRIFT AT THE APPLICATION SITE IS THE RESPONSIBILITY OF THE APPLICATOR**

The interaction of equipment and weather related factors must be monitored to maximize performance and on-target spray deposition. The applicator is responsible for considering all of these factors when making a spray decision. The applicator is responsible for compliance with state and local pesticide regulations, including any state or local pesticide drift regulations.

### **Proper spray system equipment cleanout**

Minute quantities of dicamba may cause injury to non-dicamba-tolerant soybeans and other sensitive crops (see the "Non-target Susceptible Crops" section of this label for more information). Clean equipment immediately after using this product using a triple rinse procedure as follows:

1. After spraying, drain the sprayer (including boom and lines) immediately. Do not allow the spray solution to remain in the spray boom lines overnight prior to flushing.
2. Flush tank, hoses, boom and nozzles with clean water.
3. Inspect and clean all strainers, screens and filters.
4. Prepare a cleaning solution with a commercial detergent or sprayer cleaner or ammonia according to the manufacturer's directions.

5. Take care to wash all parts of the tank, including the inside top surface. Start agitation in the sprayer and thoroughly recirculate the cleaning solution for at least 15 minutes. All visible deposits must be removed from the spraying system.
6. Flush hoses, spray lines and nozzles for at least 1 minute with the cleaning solution.
7. Repeat above steps for two additional times to accomplish an effective triple rinse.
8. Remove nozzles, screens and strainers and clean separately in the cleaning solution after completing the above procedures.
9. Appropriately dispose of rinsate from steps 1-7 in compliance with all applicable laws and regulations.
10. Drain sump, filter and lines.
11. Rinse the complete spraying system with clean water.

All rinse water must be disposed of in compliance with local, state, and federal requirements.

## **CROP ROTATIONAL RESTRICTIONS**

No rotational cropping restrictions apply when rotating to Roundup Ready 2 Xtend® Soybeans or cotton seed with XtendFlex® technology (including Bollgard® 3 XtendFlex® Cotton, Bollgard II® XtendFlex® Cotton, or XtendFlex® Cotton). For other crops the interval between application and planting rotational crop is given below. When counting days from the application of this product, do not count days when the ground is frozen. Planting at intervals less than specified below may result in crop injury. Moisture is essential for the degradation of this herbicide in soil. If dry weather prevails, use cultivation to allow herbicide contact with moist soil.

### **Planting/replanting restrictions for DuPont™ FeXapan™ herbicide Plus VaporGrip™ Technology applications of 33 fluid ounces per acre or less**

For corn, cotton (except cotton seed with XtendFlex® technology), sorghum, and soybean (except Roundup Ready 2 Xtend® Soybeans), follow the planting restrictions in the directions for use for preplant application in the **Crop-Specific Information** of the label booklet. Do not plant barley, oat, wheat, and other grass seedings for 15 days for every 11 fluid ounces of this product applied per acre east of the Mississippi River and 22 days for every 11 fluid ounces per acre applied west of the Mississippi River. No planting restrictions apply beyond 120 days after application of this product.

### **Planting/replanting restrictions for applications of more than 33 fluid ounces and up to 44 fluid ounces of DuPont™ FeXapan™ herbicide Plus VaporGrip™ Technology per acre**

Wait a minimum of 120 days after application of this product before planting corn, sorghum and cotton (except cotton seed with XtendFlex® technology) east of the Rocky Mountains and before planting all other crops (except Roundup Ready 2 Xtend® Soybeans) grown in areas receiving 30 inches or more rainfall annually. Wait a minimum of 180 days before planting crops in areas with less than 30 inches of annual rainfall. Wait a minimum of 30 days for every 22 fluid ounces of this product applied per acre before planting barley, oat, wheat, and other grass seedings east of the Mississippi River and 45 days for every 22 fluid ounces of this product applied per acre west of the Mississippi River.

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## **LIMITATION OF WARRANTY AND LIABILITY**

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**NOTICE: Read this Limitation of Warranty and Liability Before Buying or Using This Product.**  
DuPont Will Not Be Responsible for Losses or Damages Resulting from the Use of This Product

in Any Manner Not Specifically Directed by DuPont. User Assumes All Risks Associated With Such Non-Directed Use.

If the Terms Are Not Acceptable, Return the Product at Once, Unopened, and the Purchase Price Will Be Refunded.

It is impossible to eliminate all risks associated with the use of this product. Such risks arise from weather conditions, soil factors, off target movement, unconventional farming techniques, presence of other materials, the manner of use or application, or other unknown factors, all of which are beyond the control of DuPont. These risks can cause: ineffectiveness of the product, crop injury, or injury to non-target crops or plants. WHEN YOU BUY OR USE THIS PRODUCT, YOU AGREE TO ACCEPT THESE RISKS.

DuPont warrants that this product conforms to the chemical description on the label thereof and is reasonably fit for the purpose stated in the Directions for Use, subject to the inherent risks described above, when used in accordance with the Directions for Use under normal conditions.

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, DUPONT MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR OF MERCHANTABILITY OR ANY OTHER EXPRESS OR IMPLIED WARRANTY. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, IN NO EVENT SHALL DUPONT OR SELLER BE LIABLE FOR ANY INCIDENTAL, CONSEQUENTIAL OR SPECIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT. BUYER'S OR USER'S BARGAINED-FOR EXPECTATION IS CROP PROTECTION. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER AND THE EXCLUSIVE LIABILITY OF DUPONT OR SELLER, FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY OR CONTRACT, NEGLIGENCE, TORT OR STRICT LIABILITY), WHETHER FROM FAILURE TO PERFORM OR INJURY TO CROPS OR OTHER PLANTS, AND RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT, OR AT THE ELECTION OF DUPONT OR SELLER, THE REPLACEMENT OF THE PRODUCT.

Specifically, and without limiting the foregoing, DuPont MAKES NO RECOMMENDATION OR WARRANTY HEREIN REGARDING THE USE OF ANY PRODUCTS THAT MAY APPEAR ON THE WEBSITE REFERENCED IN THE TANK-MIXING INSTRUCTIONS HEREIN, REGARDLESS OF WHETHER SUCH PRODUCT IS USED ALONE OR IN A TANK MIX WITH DUPONT™ FEXAPAN™ HERBICIDE PLUS VAPORGRIP™ TECHNOLOGY. BUYER AND ALL USERS ARE SOLELY RESPONSIBLE FOR ANY LACK OF PERFORMANCE, LOSS, OR DAMAGE IN CONNECTION WITH THE USE OR HANDLING OF ANY SUCH PRODUCT ALONE OR IN A TANK MIX WITH DUPONT™ FEXAPAN™ HERBICIDE PLUS VAPORGRIP™ TECHNOLOGY.

For in-crop (over-the-top) uses on crops within the Roundup Ready® Xtend™ Crop System, crop safety and weed control performance are not warranted by DuPont when this product is used in conjunction with "brown bag" or "bin run" seed saved from previous year's production and replanted.

To the extent consistent with applicable law that allows such requirement, DuPont or its Ag Retailer must have prompt notice of any claim so that an immediate inspection of buyer's or user's growing crops can be made. Buyer and all users shall promptly notify DuPont or a DuPont Ag Retailer of any claims, whether based on contract, negligence, strict liability, other tort or otherwise, or be barred from any remedy.

This Limitation of Warranty and Liability may not be amended by any oral or written agreement.

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All other trademarks are the property of their respective owners



## SUPPLEMENTAL LABELING

**DuPont Crop  
Protection**

**ACCEPTED**

02/07/2017

Under the Federal Insecticide, Fungicide  
and Rodenticide Act as amended, for the  
pesticide registered under  
EPA Reg. No. 352-913

**DuPont™ FeXapan™ herbicide  
Plus VaporGrip™ Technology**

**FOR USE ON  
ROUNDUP READY 2  
XTEND® SOYBEANS**

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## **DuPont™ FeXapan™ herbicide Plus VaporGrip™ Technology**

EPA Reg. No. 352-913

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**FOR PREEMERGENCE AND POSTEMERGENCE USE ON  
ROUNDUP READY 2 XTEND® SOYBEANS**

Keep out of reach of children

**CAUTION!**

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## DIRECTIONS FOR USE

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It is a violation of Federal law to use this product in any manner inconsistent with its labeling.

This labeling must be in the possession of the user at the time of herbicide application.

ROUNDUP READY 2 XTEND® SOYBEANS CONTAIN A PATENTED GENE THAT PROVIDES TOLERANCE TO DICAMBA, THE ACTIVE INGREDIENT IN THIS PRODUCT. THIS PRODUCT WILL CAUSE SEVERE CROP INJURY OR DESTRUCTION AND YIELD LOSS IF APPLIED TO SOYBEANS THAT ARE NOT DICAMBA TOLERANT, INCLUDING SOYBEANS WITH A TRAIT ENGINEERED TO CONFER TOLERANCE TO AUXIN HERBICIDES OTHER THAN DICAMBA. FOLLOW THE REQUIREMENTS SET FORTH HEREIN TO PREVENT SEVERE CROP INJURY OR DESTRUCTION AND YIELD LOSS. CONTACT WITH FOLIAGE, GREEN STEMS, OR FRUIT OF CROPS, OR ANY DESIRABLE PLANTS THAT DO NOT CONTAIN A DICAMBA TOLERANCE GENE OR ARE NOT NATURALLY TOLERANT TO DICAMBA, COULD RESULT IN SEVERE PLANT INJURY OR DESTRUCTION.

Information on Roundup Ready 2 Xtend® Soybeans can be obtained from your seed supplier or DuPont representative. Roundup Ready 2 Xtend® Soybeans must be purchased from an authorized licensed seed supplier.

The instructions contained in this DuPont Supplemental Label include all applications of DuPont™ FeXapan™ herbicide Plus VaporGrip™ Technology that may be made to Roundup Ready 2 Xtend® Soybeans during the cropping season. DO NOT combine these instructions with other instructions in the "SOYBEAN" Section of any DuPont™ FeXapan™ herbicide Plus VaporGrip™ Technology label for use over crops that do not contain the dicamba tolerance trait.

Note: Roundup Ready 2 Xtend® Soybeans and methods of controlling weeds and applying dicamba in a Roundup Ready 2 Xtend® Soybean crop are protected under U.S. patent law. No license to use Roundup Ready 2 Xtend® Soybeans are granted or implied with the purchase of this herbicide product. Roundup Ready 2 Xtend® Soybeans is owned by the seed provider and a license must be obtained from the seed provider before using it. Contact your Authorized DuPont Retailer for information on obtaining a license to Roundup Ready 2 Xtend® Soybeans.

See the "PRODUCT INFORMATION" and "APPLICATION EQUIPMENT AND TECHNIQUES" sections of the DuPont™ FeXapan™ herbicide Plus VaporGrip™ Technology product label for important use information. In the event that there are any inconsistencies with the directions for use between this supplemental label and any other labeling for this product, follow the directions for use on this supplemental label.

Training and education on proper pesticide application is encouraged. Applicators should visit [www.fexapanapplicationrequirements.dupont.com](http://www.fexapanapplicationrequirements.dupont.com) for training information and opportunities relative to this product.



**TYPES OF APPLICATIONS:** Preplant; At-Planting; Preemergence; Postemergence (In-crop)

DuPont™ FeXapan™ herbicide Plus VaporGrip™ Technology is approved by U.S. EPA to be used in the following states, subject to county restriction as noted: Alabama, Arkansas, Arizona, Colorado, Delaware, Florida (excluding Palm Beach County), Georgia, Illinois, Indiana, Iowa, Kansas, Kentucky, Louisiana, Maryland, Michigan, Minnesota, Mississippi, Missouri, Nebraska, New Jersey, New Mexico, New York, North Carolina, North Dakota, Oklahoma, Ohio, Pennsylvania, South Carolina, South Dakota, Tennessee (excluding Wilson County), Texas, Virginia, West Virginia, Wisconsin.

#### **Restrictions**

- Do not apply this product aerially.
- Do not make application of this product if rain is expected in the next 24 hours.

#### **USE INSTRUCTIONS**

Apply this product in a minimum of 10 gallons of spray solution per acre as a broadcast application. For best performance, control weeds early when they are less than 4 inches. Timely application will improve control and reduce weed competition. Refer to the following table for maximum application rates of this product with Roundup Ready 2 Xtend® Soybeans.

| <b>Maximum Application Rates</b>   |   |
|--|---|
| Combined total per year for all applications   | 88 fluid ounces per acre<br>(2.0 lb. a.e. dicamba per acre) |
| Total of all Burndown/Early preplant, Preplant, At-Planting, and Preemergence applications               | 44 fluid ounces per acre<br>(1.0 lb. a.e. dicamba per acre) |
| Total of all In-crop applications from emergence up to and including beginning bloom (R1 stage soybeans) | 44 fluid ounces per acre<br>(1.0 lb. a.e. dicamba per acre) |
| Maximum In-crop, single application  | 22 fluid ounces per acre<br>(0.5 lb. a.e. dicamba per acre) |

a.e. – acid equivalent

Refer to Table 1 of the DuPont™ FeXapan™ herbicide Plus VaporGrip™ Technology label booklet for application rates for weed type and growth stage controlled by this product. Maximum in-crop application rate should be used when treating tough to control weeds, dense vegetative growth or weeds with a well-established root system.

#### **Preplant, At-Planting, Preemergence**

**USE INSTRUCTIONS:** This product may be used to control broadleaf weeds and may be applied before, during or immediately after planting Roundup Ready 2 Xtend® Soybeans. Refer to the "WEEDS CONTROLLED" section of the label booklet for DuPont™ FeXapan™ herbicide Plus VaporGrip™ Technology for specific weeds controlled.

**RESTRICTIONS:** The maximum combined quantity of this product that may be applied for all preplant, at-planting, and preemergence applications is 44 fluid ounces (1.0 lb a.e. dicamba) per acre per season. The maximum application rate for a single, preplant, at-planting, or preemergence application must not exceed 44 fluid ounces (1.0 lb a.e. dicamba) per acre. Do not apply less than 22 fluid ounces (0.5 lb a.e. dicamba) per acre.

### **Postemergence (In-crop)**

**USE INSTRUCTIONS:** This product may be used to control broadleaf weeds in Roundup Ready 2 Xtend® Soybeans. In-crop applications of this product can be made from emergence (cracking) up to and including beginning bloom (R1 growth stage of soybeans). Do not make in-crop applications of this product after beginning bloom (R1 growth stage of soybeans). The maximum and minimum rate for any single, in-crop application is 22 fluid ounces (0.5 lb a.e. dicamba) per acre. Using the appropriate application rate may reduce the selection for resistant weeds. For best performance, control weeds early when they are less than 4 inches. DuPont does not warrant product performance of applications to labeled weeds greater than 4 inches in height.

A second application of this product up to the R1 crop growth stage may be necessary to control new flushes of weeds. Allow at least 7 days between applications. For best results, apply DuPont™ FeXapan™ herbicide Plus VaporGrip™ Technology after some weed re-growth has occurred.

Application of this product postemergence and under stressful environments may cause temporary loss of turgor, a response commonly described as leaf droop in Roundup Ready 2 Xtend® Soybeans. Typically, affected plants recover in 1-3 days depending on the level of droop and environmental conditions.

### **RESTRICTIONS:**

- The combined total application rate from crop emergence up to R1 must not exceed 44 fluid ounces (1.0 lb. a.e. dicamba) per acre.
- The maximum single, in-crop application rate must not exceed 22 fluid ounces (0.5 lb. a.e. dicamba) per acre.
- The combined total per year for all applications must not exceed 88 fluid ounces (2.0 lb. a.e. dicamba) per acre.
- Allow at least 7 days between final application and harvest or feeding of soybean forage.
- Allow at least 14 days between final application and harvest or feeding of soybean hay.

### **TANK-MIXING INSTRUCTIONS**

DuPont™ FeXapan™ herbicide Plus VaporGrip™ Technology may only be tank-mixed with products that have been tested and found not to adversely affect the offsite movement potential of DuPont™ FeXapan™ herbicide Plus VaporGrip™ Technology. A list of those products may be found at [www.fexapanapplicationrequirements.dupont.com](http://www.fexapanapplicationrequirements.dupont.com). DO NOT tank mix any product with DuPont™ FeXapan™ herbicide Plus VaporGrip™ Technology unless:

1. You check the list of tested products found not to adversely affect the offsite movement potential of DuPont™ FeXapan™ herbicide Plus VaporGrip™ Technology at [www.fexapanapplicationrequirements.dupont.com](http://www.fexapanapplicationrequirements.dupont.com) no more than 7 days before applying DuPont™ FeXapan™ herbicide Plus VaporGrip™ Technology; and
2. The intended tank-mix product is identified on the list of tested products; and
3. The intended products are not prohibited on either this supplemental label or the label of the tank mix product.
4. Additional Warnings and Restrictions:
  - Some COC, HSOC and MSO adjuvants may cause a temporary crop response.

- Do not tank mix products containing ammonium salts such as ammonium sulfate and urea ammonium nitrate.
- Drift reduction agents (DRAs) can minimize the percentage of driftable fines. However, the applicator must check [www.fexapanapplicationrequirements.dupont.com](http://www.fexapanapplicationrequirements.dupont.com) to determine if the DRA is listed and check with the DRA manufacturer to determine if the DRAs will work effectively with the approved spray nozzle, spray pressure, and the desired spray solution.

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TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, DUPONT MAKES NO RECOMMENDATION OR WARRANTY HEREIN REGARDING THE USE OF ANY PRODUCT THAT MAY APPEAR ON THE WEBSITE REFERENCED ABOVE, REGARDLESS OF WHETHER SUCH PRODUCT IS USED ALONE OR IN A TANK MIX WITH FEXAPAN™ PLUS VAPORGRIP™ TECHNOLOGY. BUYER AND ALL USERS ARE SOLELY RESPONSIBLE FOR ANY LACK OF PERFORMANCE, LOSS, OR DAMAGE IN CONNECTION WITH THE USE OR HANDLING OF ANY SUCH PRODUCT ALONE OR IN A TANK MIX WITH FEXAPAN™ PLUS VAPORGRIP™ TECHNOLOGY. See the section titled "LIMIT OF WARRANTY AND LIABILITY" herein for more information.

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## WEED RESISTANCE MANAGEMENT

Some naturally occurring weed biotypes that are tolerant (resistant) to dicamba may exist due to genetic variability in a weed population. Where resistant biotypes exist, the repeated use of herbicides with the same sites of action can lead to the selection for resistant weeds. Certain agronomic practices can delay or reduce the likelihood that resistant weed populations will develop and can be utilized to manage weed resistance once it occurs.

Do not use less than 22 fluid ounces per acre (0.5 lb a.e./A) of this product in a single application. Using the appropriate application rate can minimize the selection for resistant weeds.

Proactively implementing diversified weed control strategies to minimize selection for weed populations resistant to one or more herbicides is a best practice. A diversified weed management program may include the use of multiple herbicides with different sites of action and overlapping weed spectrum with or without tillage operations and/or other cultural practices. Research has demonstrated that using the labeled rate and directions for use is important to delay the selection for resistance.

The continued effectiveness of this product depends on the successful management of the weed resistance program; therefore, it is very important to perform the following actions.

To aid in the prevention of developing weeds resistant to this product, the following steps should be followed where practical:

- Scout fields before application to ensure herbicides and rates will be appropriate for the weed species and weed sizes present.
- Apply full rates DuPont™ FeXapan™ herbicide Plus VaporGrip™ Technology for the most difficult to control weed in the field at the specified time (correct weed size) to minimize weed escapes.

- Scout fields after application to detect weed escapes or shifts in weed species.
- Report any incidence of non-performance of this product against a particular weed species to your DuPont retailer, representative or call 1-888-6-DUPONT.
- If resistance is suspected, treat weed escapes with a herbicide having a site of action other than Group 4 and/or use non-chemical methods to remove escapes, as practical, with the goal of preventing further seed production.

Additionally, users should follow as many of the following herbicide resistance management practices as is practical:

- Use a broad spectrum soil-applied herbicide with other sites of action as a foundation in a weed control program.
- Utilize sequential applications of herbicides with alternative sites of action.
- Rotate the use of this product with non-Group 4 herbicides.
- Avoid making more than two applications of dicamba and any other Group 4 herbicides within a single growing season unless mixed with another mechanism of action with an overlapping spectrum for the difficult to control weeds.
- Incorporate non-chemical weed control practices, such as mechanical cultivation, crop rotation, cover crops and weed-free crop seeds, as part of an integrated weed control program.
- Thoroughly clean plant residues from equipment before leaving fields suspected to contain resistant weeds.
- Manage weeds in and around fields, during and after harvest to reduce weed seed production.

Contact the local agricultural extension service, DuPont representative, agricultural retailer or crop consultant for further guidance on weed control practices as needed.

## **APPLICATION EQUIPMENT AND TECHNIQUES**

**DO NOT APPLY THIS PRODUCT TO ROUNDUP READY 2 XTEND® SOYBEANS USING AERIAL SPRAY EQUIPMENT.**

Apply this product using properly maintained and calibrated equipment capable of delivering the desired volumes.

## **SPRAY DRIFT MANAGEMENT**

Do not allow herbicide solution to mist, drip, drift or splash onto desirable vegetation because severe injury or destruction to desirable broadleaf plants could result. The following drift management requirements must be followed.

### **Controlling Droplet Size**

Drift potential may be reduced by applying large droplets that provide sufficient coverage and control. Applying larger droplets can reduce drift potential, but will not prevent drift if the application is made improperly, or under unfavorable environmental conditions (see the “**Wind Speed and Direction**”, “**Temperature and Humidity**” and “**Temperature Inversions**” sections of this label).

- **Nozzle type.** Use only Tee Jet® TTI11004 nozzle with a maximum operating pressure of 63 psi when applying DuPont™ FeXapan™ herbicide Plus VaporGrip™ Technology or any other approved nozzle found at [www.fexapanapplicationrequirements.dupont.com](http://www.fexapanapplicationrequirements.dupont.com). Do not use any other nozzle and pressure combination not specifically listed on this website.
- **Hooded Sprayers.** Using a hooded sprayer in combination with approved nozzles may further reduce drift potential.
- **Spray Volume.** Apply this product in a minimum of 10 gallons of spray solution per acre. Use a higher spray volume when treating dense vegetation. Higher spray volumes may also allow the use of larger nozzle orifices (sizes) which produce coarser spray droplets.
- **Equipment Ground Speed.** Select a ground speed that will deliver the desired spray volume while maintaining the desired spray pressure, but do not exceed a ground speed of 15 miles per hour. Slower speeds generally result in better spray coverage and deposition on the target area.
- **Spray boom Height.** Spray at the appropriate boom height based on nozzle selection and nozzle spacing, but do not exceed a boom height of 24 inches above target pest or crop canopy. Set boom to lowest effective height over the target pest or crop canopy based on equipment manufacturer's directions. Automated boom height controllers are recommended with large booms to better maintain optimum nozzle to canopy height. Excessive boom height will increase the drift potential.

### Temperature and Humidity

When making applications in low relative humidity or temperatures above 91 degrees Fahrenheit, set up equipment to produce larger droplets to compensate for evaporation. Larger droplets have a lower surface to volume ratio and can be impacted less by temperature and humidity. Droplet evaporation is most severe when conditions are both hot and dry.

### Temperature Inversions

Do not apply this product during a temperature inversion. Drift potential can be high during a temperature inversion.

- During a temperature inversion, the atmosphere is very stable and vertical air mixing is restricted, which can cause small, suspended droplets to remain in a concentrated cloud. This cloud can move in unpredictable directions due to the light variable winds common during inversions.
- Temperature inversions are characterized by increasing temperatures with altitude and are common on evenings and nights with limited cloud cover and light to no wind. Cooling of air at the earth's surface takes place and warmer air is trapped above it. They can begin to form as the sun sets and often continue into the morning.
- Their presence can be indicated by ground fog; however, if fog is not present, inversions can also be identified by the movement of smoke from a ground source or an aircraft smoke generator. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical air mixing.
- The inversion will often dissipate with increased winds (above 3 mph) or at sunrise when the surface air begins to warm (generally 3°F from morning low).

### Wind Speed and Direction

- Drift potential is lowest between wind speeds of 3 to 10 miles per hour.
- Do not apply at wind speeds greater than 15 mph.
- For DuPont™ FeXapan™ herbicide Plus VaporGrip™ Technology wind speed and direction restrictions see below table:

| Wind speed   | Application conditions and restrictions   |
|--------------|---|
| <3 mph       | Do not apply DuPont™ FeXapan™ herbicide Plus VaporGrip™ Technology.   |
| 3-10 mph     | Optimum application conditions for DuPont™ FeXapan™ herbicide Plus VaporGrip™ Technology provided all other application requirements in this label are met. |
| >10 – 15 mph | Do not apply product when wind is blowing toward non-target sensitive crops.  |
| > 15 mph     | Do not apply DuPont™ FeXapan™ herbicide Plus VaporGrip™ Technology.   |

**NOTE:** Local terrain can influence wind patterns. Every applicator must be familiar with local wind patterns and how they affect drift.

### PROTECTION OF SENSITIVE AREAS

Maintain a 110 foot downwind buffer (when applying 22 fluid ounces of this product per acre) or a 220 foot downwind buffer (when applying 44 fluid ounces of this product per acre) between the last treated row and the closest downwind edge of the treated field (in the direction in which the wind is blowing). If any of the areas listed below are directly adjacent to the treated field, that area may be considered part of the buffer distance.

To maintain this required buffer zone:

- No application swath can be initiated in, or into an area that is within the applicable buffer distance.

The areas that may be included in the buffer distance calculation when adjacent to the treated field edges are as follows:

- Roads, paved or gravel surfaces,
- Planted agricultural fields containing: corn, dicamba tolerant cotton, dicamba tolerant soybean, sorghum, proso millet, small grains and sugarcane. If the applicator intends to include such crops as dicamba tolerant cotton and/or dicamba tolerant soybeans in the buffer distance calculation, the applicator must confirm the crops are in fact dicamba tolerant and not conventional cotton and/or soybeans.
- Agricultural fields that have been prepared for planting.
- Areas covered by the footprint of a building, silo, or other man made structure with walls and or roof.

## **Non-target Susceptible Crops**

**Failure to follow the requirements in this label could result in severe injury or destruction to desirable sensitive broadleaf crops and trees when contacting their roots, stems or foliage.**

- Do not apply under circumstances where drift may occur to food, forage, or other plantings that might be damaged or the crops thereof rendered unfit for sale, use or consumption.
- Do not allow contact of herbicide with foliage, green stems, exposed non-woody roots of crops, and desirable plants, including beans, cotton, flowers, fruit trees, grapes, ornamentals, peas, potato, soybean, sunflower, tobacco, tomato, and other broadleaf plants because severe injury or destruction may result, including plants in a greenhouse.
- Small amounts of dicamba that may not be visible may injure susceptible broadleaf plants.
- Applicators are required to ensure that they are aware of the proximity to non-target susceptible crops, and to avoid potential adverse effects from drift DuPont™ FeXapan™ herbicide Plus VaporGrip™ Technology.

**Before making an application, the applicator must survey the application site for neighboring non-target susceptible crops. The applicator must also consult sensitive crop registries to identify any commercial specialty or certified organic crops that may be located near the application site.**

**DO NOT APPLY this product when the wind is blowing toward adjacent commercially grown dicamba sensitive crops, including but not limited to, commercially grown tomatoes and other fruiting vegetables (EPA crop group 8), cucurbits (EPA crop group 9), and grapes.**

## **Application Awareness**

**AVOIDING SPRAY DRIFT AT THE APPLICATION SITE IS THE RESPONSIBILITY OF THE APPLICATOR**

The interaction of equipment and weather related factors must be monitored to maximize performance and on-target spray deposition. The applicator is responsible for considering all of these factors when making a spray decision. The applicator is responsible for compliance with state and local pesticide regulations, including any state or local pesticide drift regulations.

### **Proper spray system equipment cleanout**

Minute quantities of dicamba may cause injury to non-dicamba-tolerant soybeans and other sensitive crops (see the "Non-target Susceptible Crops" section of this label for more information). Clean equipment immediately after using this product using a triple rinse procedure as follows:

1. After spraying, drain the sprayer (including boom and lines) immediately. Do not allow the spray solution to remain in the spray boom lines overnight prior to flushing.
2. Flush tank, hoses, boom and nozzles with clean water.
3. Inspect and clean all strainers, screens and filters.
4. Prepare a cleaning solution with a commercial detergent or sprayer cleaner or ammonia according to the manufacturer's directions.

5. Take care to wash all parts of the tank, including the inside top surface. Start agitation in the sprayer and thoroughly recirculate the cleaning solution for at least 15 minutes. All visible deposits must be removed from the spraying system.
6. Flush hoses, spray lines and nozzles for at least 1 minute with the cleaning solution.
7. Repeat above steps for two additional times to accomplish an effective triple rinse.
8. Remove nozzles, screens and strainers and clean separately in the cleaning solution after completing the above procedures.
9. Appropriately dispose of rinsate from steps 1-7 in compliance with all applicable laws and regulations.
10. Drain sump, filter and lines.
11. Rinse the complete spraying system with clean water.

All rinse water must be disposed of in compliance with local, state, and federal requirements.

## **CROP ROTATIONAL RESTRICTIONS**

No rotational cropping restrictions apply when rotating to Roundup Ready 2 Xtend® or cotton seed with XtendFlex® technology (including Bollgard® 3 XtendFlex® Cotton, Bollgard II® XtendFlex® Cotton, or XtendFlex® Cotton). For other crops the interval between application and planting rotational crop is given below. When counting days from the application of this product, do not count days when the ground is frozen. Planting at intervals less than specified below may result in crop injury. Moisture is essential for the degradation of this herbicide in soil. If dry weather prevails, use cultivation to allow herbicide contact with moist soil.

### **Planting/replanting restrictions for DuPont™ FeXapan™ herbicide Plus VaporGrip™ Technology applications of 33 fluid ounces per acre or less**

For corn, cotton (except cotton seed with XtendFlex® technology), sorghum, and soybean (except Roundup Ready 2 Xtend® Soybeans), follow the planting restrictions in the directions for use for preplant application in the **Crop-Specific Information** of the label booklet. Do not plant barley, oat, wheat, and other grass seedings for 15 days for every 11 fluid ounces of this product applied per acre east of the Mississippi River and 22 days for every 11 fluid ounces per acre applied west of the Mississippi River. No planting restrictions apply beyond 120 days after application of this product.

### **Planting/replanting restrictions for applications of more than 33 fluid ounces and up to 44 fluid ounces of DuPont™ FeXapan™ herbicide Plus VaporGrip™ Technology per acre**

Wait a minimum of 120 days after application of this product before planting corn, sorghum and cotton (except cotton seed with XtendFlex® technology) east of the Rocky Mountains and before planting all other crops (except Roundup Ready 2 Xtend® Soybeans) grown in areas receiving 30 inches or more rainfall annually. Wait a minimum of 180 days before planting crops in areas with less than 30 inches of annual rainfall. Wait a minimum of 30 days for every 22 fluid ounces of this product applied per acre before planting barley, oat, wheat, and other grass seedings east of the Mississippi River and 45 days for every 22 fluid ounces of this product applied per acre west of the Mississippi River.

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## **LIMITATION OF WARRANTY AND LIABILITY**

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**NOTICE:** Read this Limitation of Warranty and Liability Before Buying or Using This Product. DuPont Will Not Be Responsible for Losses or Damages Resulting from the Use of This Product



in Any Manner Not Specifically Directed by DuPont. User Assumes All Risks Associated With Such Non-Directed Use.

If the Terms Are Not Acceptable, Return the Product at Once, Unopened, and the Purchase Price Will Be Refunded.

It is impossible to eliminate all risks associated with the use of this product. Such risks arise from weather conditions, soil factors, off target movement, unconventional farming techniques, presence of other materials, the manner of use or application, or other unknown factors, all of which are beyond the control of DuPont. These risks can cause: ineffectiveness of the product, crop injury, or injury to non-target crops or plants. WHEN YOU BUY OR USE THIS PRODUCT, YOU AGREE TO ACCEPT THESE RISKS.

DuPont warrants that this product conforms to the chemical description on the label thereof and is reasonably fit for the purpose stated in the Directions for Use, subject to the inherent risks described above, when used in accordance with the Directions for Use under normal conditions.

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, DUPONT MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR OF MERCHANTABILITY OR ANY OTHER EXPRESS OR IMPLIED WARRANTY. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, IN NO EVENT SHALL DUPONT OR SELLER BE LIABLE FOR ANY INCIDENTAL, CONSEQUENTIAL OR SPECIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT. BUYER'S OR USER'S BARGAINED-FOR EXPECTATION IS CROP PROTECTION. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER AND THE EXCLUSIVE LIABILITY OF DUPONT OR SELLER, FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY OR CONTRACT, NEGLIGENCE, TORT OR STRICT LIABILITY), WHETHER FROM FAILURE TO PERFORM OR INJURY TO CROPS OR OTHER PLANTS, AND RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT, OR AT THE ELECTION OF DUPONT OR SELLER, THE REPLACEMENT OF THE PRODUCT.

Specifically, and without limiting the foregoing, DuPont MAKES NO RECOMMENDATION OR WARRANTY HEREIN REGARDING THE USE OF ANY PRODUCTS THAT MAY APPEAR ON THE WEBSITE REFERENCED IN THE TANK-MIXING INSTRUCTIONS HEREIN, REGARDLESS OF WHETHER SUCH PRODUCT IS USED ALONE OR IN A TANK MIX WITH DUPONT™ FEXAPAN™ HERBICIDE PLUS VAPORGRIP™ TECHNOLOGY. BUYER AND ALL USERS ARE SOLELY RESPONSIBLE FOR ANY LACK OF PERFORMANCE, LOSS, OR DAMAGE IN CONNECTION WITH THE USE OR HANDLING OF ANY SUCH PRODUCT ALONE OR IN A TANK MIX WITH DUPONT™ FEXAPAN™ HERBICIDE PLUS VAPORGRIP™ TECHNOLOGY.

For in-crop (over-the-top) uses on crops within the Roundup Ready® Xtend™ Crop System, crop safety and weed control performance are not warranted by DuPont when this product is used in conjunction with "brown bag" or "bin run" seed saved from previous year's production and replanted.

To the extent consistent with applicable law that allows such requirement, DuPont or its Ag Retailer must have prompt notice of any claim so that an immediate inspection of buyer's or user's growing crops can be made. Buyer and all users shall promptly notify DuPont or a DuPont Ag Retailer of any claims, whether based on contract, negligence, strict liability, other tort or otherwise, or be barred from any remedy.

This Limitation of Warranty and Liability may not be amended by any oral or written agreement.

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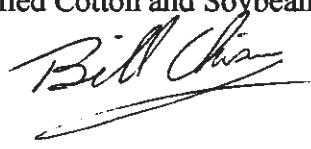
UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON D.C., 20460


FEB 14 2017

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

**MEMORANDUM**

**SUBJECT:** Review of DuPont Resistance Management Plan for Postemergence Applications of Dicamba Herbicide to Genetically Modified Cotton and Soybean

**FROM:** Bill Chism, Senior Biologist   
Leonard Yourman, Plant Pathologist  
Biological Analysis Branch

**THRU:** Monisha Kaul, Chief   
Biological Analysis Branch  
Biological and Economic Analysis Division (7503P)

**TO:** Kathryn Montague, Product Manager  
Herbicide Branch  
Registration Division (7504P)

**Product Review Panel:** February 1, 2017

DuPont has requested a new use registration of the herbicide dicamba to be applied postemergence during the growing season over genetically modified dicamba-resistant cotton and soybean. As part of the regulatory review process BEAD reviewed the resistance management and stewardship plan provided by DuPont (Ashley, 2016). The resistance management plan addresses all of the elements that BEAD recommends for this use site (Yourman and Chism, 2016) and is equivalent to the plan developed by Monsanto (Reeves and Cubbage, 2015) for dicamba formulation used on these genetically modified cotton and soybean crops.

## REFERENCES

- Ashley, Rebecca. 2016. Supplemental labelling for DuPont Fexapan herbicide plus VaporGrip Technology. DuPont Crop Protection. November 23, 2016.
- Reeves, B. and Cubbage, J. 2015. Public Interest Document for Dicamba Use. May 22, 2015. Monsanto Co., St. Louis, MO. [submitted in support of registration].
- Yourman, L. and B. Chism. 2016. Review of Benefits as Described by the Registrant of Dicamba Herbicide for Postemergence Applications to Soybean and Cotton *and* Addendum Review of the Resistance Management Plan as Described by the Registrant of Dicamba Herbicide for Use on Genetically Modified Soybean and Cotton. Environmental Protection Agency, Office of Pesticide Programs, Biological and Economic Analysis Division. March 30, 2016.

**\*Claimed confidential by submitter\***



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON D.C., 20460

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**FROM:** Bill Chism, Senior Biologist  
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**THRU:** Monisha Kaul, Chief  
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**TO:** Kathryn Montague, Product Manager  
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**INTRODUCTION**

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## REFERENCES

Ashley, Rebecca. 2016a. Supplemental labelling for DuPont Fexapan herbicide plus VaporGrip Technology. DuPont Crop Protection. November 23, 2016.

Ashley, Rebecca. 2016b. DuPont FeXapan herbicide Plus VaporGrip Technology, Herbicide Resistance Management Plan. DuPont Crop Protection. December 6, 2016.

EPA. 2016. Review of Benefits as Described by the Registrant of Dicamba Herbicide for Postemergence Applications to Soybean and Cotton *and* Addendum Review of the Resistance Management Plan as Described by the Registrant of Dicamba Herbicide for Use on Genetically Modified Soybean and Cotton. Biological and Economic Analysis Division, Office of Pesticide Programs, Environmental Protection Agency. Leonard Yourman and Bill Chism, March 30, 2016.





DuPont™ FeXapan™ herbicide Plus VaporGrip™ Technology  
Herbicide Resistance Management Plan

DuPont must:

A. Field Detection and Remediation Components:

1. Develop and implement an education program for growers, as set forth under the “Educational / Informational Component,” below, that identifies appropriate best management practices (BMPs), as set forth under the “Best Management Practices (BMPs) Component,” below, to avoid and control weed resistance, and that conveys to growers the importance of complying with BMPs. Such BMPs shall include that fields must be scouted after application to confirm herbicide effectiveness, and that users should report any incidence of lack of efficacy of this product against a particular weed species to DuPont or a DuPont representative.
2. If any grower informs you of a lack of herbicide efficacy, then you or your representative must make an effort to evaluate the field for “likely resistance” to DuPont™ FeXapan™ herbicide Plus VaporGrip™ Technology for each specific species for which lack of herbicide efficacy is reported by applying the criteria set forth in Norsworthy, et al., “Reducing the Risks of Herbicide Resistance: Best Management Practices and Recommendations,” Weed Science 2012 Special Issue:31–62 (hereinafter “Norsworthy criteria”)<sup>1</sup> in each specific state until resistance to dicamba is confirmed for a specific weed species in that state using acceptable scientific methods. However, for each grower, you must continue to provide stewardship about resistance management throughout their use of this product. If resistance to dicamba is confirmed in a specific state for a specific weed species, then DuPont must immediately report such confirmation to EPA and need no longer investigate reports of lack of herbicide efficacy regarding that specific species in that specific state, but DuPont must continue to make an effort to help address lack of herbicide efficacy regarding any other weed species in any such state;
3. Keep records of all field evaluations for “likely resistance” for a period of 3 years, and make such copies available to EPA upon request; and
4. If one or more of the Norsworthy criteria are met, then for a weed species not already confirmed to be resistant to dicamba in that specific state, DuPont will:
  - a. Provide the grower with specific information and recommendations to control and contain likely resistant weeds, including retreatment and/or other non-chemical controls, as appropriate. If requested by the grower, DUPONT or their agent will become actively involved in implementation of weed control measures;
  - b. Request, at the time of the initial determination that one or more of the Norsworthy criteria are met and prior to any application of alternative control practices, that the grower provide you with access to the relevant field(s) to collect specimens of the likely resistant weeds

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<sup>1</sup> The Norsworthy “likely herbicide resistance” criteria are: (1) failure to control a weed species normally controlled by the herbicide at the dose applied, especially if control is achieved on adjacent weeds; or (2) a spreading patch of uncontrolled plants of a particular weed species; or (3) surviving plants mixed with controlled individuals of the same species. The identification of any of these criteria in the field indicates that “likely herbicide resistance” is present.

- (potted specimens or seeds) for further evaluation in the greenhouse or laboratory, and so collect such specimens if possible (or, alternatively, request that the grower provide such specimens to you, at your expense);
- c. Commence greenhouse or laboratory studies to confirm resistance as soon as practicable following sample collection;
  - d. To the extent possible, contact or visit the grower in an appropriate timeframe after implementation of the additional weed control measures in order to evaluate success of such measures; and
  - e. If the additional weed control measures were not successful in controlling the likely resistant weeds, then:
    - i. Work with the grower to determine the reason(s) why the additional control measures were not successful;
    - ii. Report annually the inability to control the likely resistant weeds to relevant stakeholders; and
    - iii. Offer to further assist the grower in controlling and containing the likely resistant weeds, including retreatment and/or other non-chemical controls, as appropriate.
- B. Educational / Informational Component:
1. Develop and implement an education program for growers that includes the following elements:
    - a. The education program shall identify appropriate best management practices (BMPs), set forth under the “Best Management Practices (BMPs) Component,” below, to avoid and control weed resistance, and shall convey to growers the importance of complying with BMPs;
    - b. The education program shall include at least one written communication regarding herbicide resistance management each year, directed to users of DuPont™ FeXapan™ herbicide Plus VaporGrip™ Technology for use over-the-top on dicamba tolerant soybean or cotton; and
    - c. You must make the education program available to DuPont sales representatives for distribution to growers.
  2. Provide to EPA the original education program within three months of the issuance of this registration.
- C. Evaluation Component:
1. DuPont will annually conduct a survey directed to users of DuPont™ FeXapan™ herbicide Plus VaporGrip™ Technology for use over-the-top of dicamba tolerant soybean or cotton. This survey must be based on a statistically representative sample. The sample size and geographical resolution should be adequate to allow analysis of responses within regions, between regions, and across the United States. This survey shall evaluate, at a minimum, the following:
    - a. Growers’ adherence to the terms of the DuPont™ FeXapan™ herbicide Plus VaporGrip™ Technology Use Directions and Label Restrictions, and

- b. Whether growers have encountered any perceived issue with non-performance or lack of efficacy of DuPont™ FeXapan™ herbicide Plus VaporGrip™ Technology and, if so, how growers have responded.
- 2. Utilize the results from the survey described in paragraph 1 of this section to annually review, and modify as appropriate for the upcoming growing season, the following:
  - a. Efforts aimed at achieving adoption of BMP's;
  - b. Responses to incidents of likely resistance and confirmed resistance; and
  - c. The education program. At the initiative of either EPA or DuPont, EPA and DuPont shall consult about possible modifications of the education program.

**D. Reporting Component:**

- 1. Submit annual reports to EPA by January 15 of each year, beginning on January 15, 2018. Such reports shall include:
  - a. Annual sales of DuPont™ FeXapan™ herbicide Plus VaporGrip™ Technology by state;
  - b. The first annual report shall include the current education program and associated materials, and subsequent annual reports shall include updates of any aspect of the education program and associated materials that have materially changed since submission of the previous annual report;
  - c. Summary of your efforts aimed at achieving implementation of BMP's;
  - d. Summary of your determinations as to whether any reported lack of herbicide efficacy was "likely resistance," your follow-up actions taken, and, if available, the ultimate outcome (e.g., evaluation of success of additional weed control measures) regarding each case of "likely resistance." In the annual report, DuPont will list the cases of likely resistance by county and state.
  - e. The results of the annual survey described in paragraph 1 under "Evaluation Component," above, including whether growers are implementing herbicide resistance BMPs, and a summary of your annual review and possible modification – based on that survey – of the education program, and response to reports of likely resistance, described in paragraph 2 under "Evaluation Component," above; and
  - f. Summary of the status of any laboratory and greenhouse testing performed by, or at the direction of, DuPont following up on incidents of likely resistance, performed in the previous year. Data pertaining to such testing need not be included in the annual reports, but such data must be made available to EPA upon request.
- 2. Following your submission of the annual report, you shall meet with the EPA at EPA's request in order to evaluate and consider the information contained in the report.

**E. Best Management Practices (BMPs) Component:**

- 1. Best management practices (BMPs) must be identified in your education program. Growers will be advised of BMP's in product literature, educational materials and training. The following are examples of BMPs:
  - a. Regarding crop selection and cultural practices:
    - i. Understand the biology of the weeds present.

- ii. Use a diversified approach toward weed management focused on preventing weed seed production and reducing the number of weed seeds in the soil seed-bank.
- iii. Emphasize cultural practices that suppress weeds by using crop competitiveness.
- iv. Plant into weed free fields, keep fields as weed free as possible, and note areas where weeds were a problem in prior seasons.
- v. Incorporate additional weed control practices whenever possible, such as mechanical cultivation, biological management practices, crop rotation, and weed-free crop seeds, as part of an integrated weed control program.
- vi. Do not allow weed escapes to produce seeds, roots or tubers.
- vii. Manage weed seed at harvest and post-harvest to prevent a buildup of the weed seed-bank.
- viii. Prevent field-to-field and within-field movement of weed seed or vegetative propagules.
- ix. Thoroughly clean plant residues from equipment before leaving fields.
- x. Prevent an influx of weeds into the field by managing field borders.
- xi. Fields must be scouted before application to ensure that herbicides and application rates will be appropriate for the weed species and weed sizes present.
- xii. Fields must be scouted after application to confirm herbicide effectiveness and to detect weed escapes.
- xiii. If resistance is suspected, treat weed escapes with an alternate mode of action or use non-chemical methods to remove escapes.
- b. Regarding herbicide selection:
  - i. Use a broad spectrum soil applied herbicide with a mechanism of action that differs from this product as a foundation in a weed control program.
  - ii. A broad spectrum weed control program should consider all of the weeds present in the field. Weeds should be identified through scouting and field history.
  - iii. Difficult to control weeds may require sequential applications of herbicides with alternative mechanisms of action.
  - iv. Fields with difficult to control weeds should be rotated to crops that allow the use of herbicides with alternative mechanisms of action.
  - v. Apply full rates of this herbicide for the most difficult to control weed in the field. Applications should be made when weeds are at the correct size to minimize weed escapes.
  - vi. Do not use more than two applications of this herbicide or any herbicide with the same mechanism of action within a single growing season unless mixed with another mechanism of action herbicide with overlapping spectrum for the difficult to control weeds.

- vii. Report any incidence of lack of efficacy of this product against a particular weed species to DuPont or a DuPont representative.

This list may be updated or revised as new information becomes available.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

December 22, 2016

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

OPP Decision Number: D-524536  
EPA File Symbol or Registration Number: 352-913  
Product Name: DUPONT FEXAPAN HERBICIDE  
EPA Receipt Date: 13-Dec-2016  
EPA Company Number: 352  
Company Name: E. I. DU PONT DE NEMOURS AND COMPANY (S300/419)

REBECCA M. ASHLEY  
DUPONT CROP PROTECTION  
STINE-HASKELL RESEARCH CENTER  
PO BOX 30  
NEWARK, DE 19714-0030

SUBJECT: Receipt of Registration Amendment Subject to Registration Service Fee

Dear Registrant:

The Office of Pesticide Programs has received your amendment and certification of payment. If you submitted data with this application, the results of the PRN-2011-3 screen will be communicated separately. During the administrative screen, the Office of Pesticide Programs has determined that this Action is subject to a Pesticide Registration Service Fee as defined in the Pesticide Registration Improvement Act.

The Action has been identified as Action Code: R350

AMENDMENT;NON-FAST TRACK (CHANGES TO REL;PPE;PHI;RATE AND NUMBER OF APPLICATIONS;ADD AERIAL APPLICATION;MODIFY GW/SW ADVISORY STATEMENT;

No additional payment is due at this time. If you have any questions, please contact the Pesticide Registration Service Fee Ombudsman at (703) 308-9362.

Sincerely,

A handwritten signature in black ink, appearing to be "R. J. Smith", is written over the word "Sincerely,".

Front End Processing Staff  
Information Technology & Resources Management Division

7

**Fee for Service**

{996177R~

This package includes the following

☐ New Registration

☒ Amendment

☐ Studies?      ☐ Fee Waiver?

☐ volpay    % Reduction: \_\_\_\_\_

for Division

☐ AD

☐ BPPD

☒ RD

Risk Mgr.    **23**

Receipt No.

S-

**996177**

EPA File Symbol/Reg. No.

**352-913**

Pin-Punch Date:

**12/13/2016**

☐ This item is NOT subject to FFS action.

**Action Code:**

Requested: **R350**

Granted: **R350**

Amount Due: \$ **13 226**

**Parent/Child Decisions:**

☒ Inert Cleared for Intended Use

☐ Uncleared Inert in Product

Reviewer: L. Pahe l

Date: 12/15/16

Remarks:

Recode if not PRA/R350



## Receipt

### Your payment is complete

Pay.gov Tracking ID: 25VH2HO8  
Agency Tracking ID: 75146292623  
Form Name: Pesticide Registration Improvement Act - Prepayment  
Application Name: PRIA Service Fees

### Payment Information

Payment Type: Debit or credit card  
Payment Amount: \$13,226.00  
Transaction Date: 12/13/2016 12:57:22 PM EST  
Payment Date: 12/13/2016  
Registration Number: 352-913  
Company Name: DuPont  
Company Number: 352  
Action Code: R350



### Account Information

Cardholder Name: Rebecca Ashley  
Card Type: Master Card  
Card Number: \*\*\*\*\*1388

### Email Confirmation Receipt

Confirmation Receipts have been emailed to:  
rebecca.m.ashley@dupont.com



|  |  |  |  |
|--|--|--|--|
|  <div style="display: inline-block; text-align: center;">             United States<br/> <b>Environmental Protection Agency</b><br/>             Washington, DC 20480           </div>  |  | <input type="checkbox"/> Registration<br><input checked="" type="checkbox"/> <b>Amendment</b><br><input type="checkbox"/> Other  | OPP Identifier Number<br><b>XXXXXXX</b>  |
| <b>Application for Pesticide - Section I</b>   |  |  |  |
| 1. Company/Product Number<br>352-913   |  | 2. EPA Product Manager<br>Kathryn Montague   |  |
| 4. Company/Product (Name)<br>DuPont™ FeXapan™ herbicide Plus VaporGrip™ Technology   |  | 3. Proposed Classification<br><input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted   |  |
| 5. Name and Address of Applicant (Include ZIP Code)<br>E. I. du Pont de Nemours & Company<br>Crop Protection, P. O. Box 30<br>Newark, DE 19714-0030      Attention: R. M. Ashley<br><br><input type="checkbox"/> Check if this is a new address  |  | 6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to:<br>EPA Reg. No. _____<br>Product Name _____ |  |
| <b>Section - II</b>  |  |  |  |
| <input checked="" type="checkbox"/> Amendment - Explain below. <input type="checkbox"/> Final printed labels in response to Agency letter dated _____<br><input type="checkbox"/> Resubmission in response to Agency letter dated _____ <input type="checkbox"/> "Me Too" Application.<br><input type="checkbox"/> Notification - Explain below. <input type="checkbox"/> Other - Explain below. |  |  |  |
| <b>Explanation:</b> Use additional page(s) if necessary. (For section I and Section II.)<br>Submission of supplemental labels for DuPont™ FeXapan™ herbicide Plus VaporGrip™ Technology  |  |  |  |
| <b>Section - III</b>   |  |  |  |
| 1. Material This Product Will Be Packaged In:  |  |  |  |
| Child-Resistant Packaging<br><input type="checkbox"/> Yes*<br><input type="checkbox"/> No<br>* Certification must be submitted   | Unit Packaging<br><input type="checkbox"/> Yes<br><input type="checkbox"/> No<br>If "Yes" Unit Packaging wgt.      No. per container | Water Soluble Packaging<br><input type="checkbox"/> Yes<br><input type="checkbox"/> No<br>If "Yes" Package wgt.      No. per container   | 2. Type of Container<br><input type="checkbox"/> Metal<br><input type="checkbox"/> Plastic<br><input type="checkbox"/> Glass<br><input type="checkbox"/> Paper<br><input type="checkbox"/> Other (Specify) _____ |
| 3. Location of Net Contents Information<br><input type="checkbox"/> Label: <input type="checkbox"/> Container  |  | 4. Size(s) Retail Container  |  |
|  |  | 5. Location of Label Directions<br><input type="checkbox"/> On Label<br><input type="checkbox"/> On Labeling accompanying product  |  |
| 6. Manner in Which Label is Affixed to Product<br><input type="checkbox"/> Lithograph<br><input type="checkbox"/> Paper glued<br><input type="checkbox"/> Stenciled  |  | <input type="checkbox"/> Other _____   |  |
| <b>Section - IV</b>  |  |  |  |
| 1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)  |  |  |  |
| Name<br>Rebecca M. Ashley  |  | Title<br>US Registration Manager   |  |
|  |  | Telephone No. (Include Area Code)<br>302-451-0829  |  |
| <b>Certification</b><br>I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.   |  |  | 6. Date Application Received<br>(Stamped)  |
| 2. Signature<br>  |  | 3. Title<br>US Registration Manager  |  |
| 4. Typed Name<br>Rebecca M. Ashley   |  | 5. Date<br>12/13/2016  |  |

## Rowland, Grant

---

**From:** ASHLEY, REBECCA M <Rebecca.M.Ashley@dupont.com>  
**Sent:** Tuesday, December 13, 2016 3:17 PM  
**To:** Montague, Kathryn V.; Rowland, Grant  
**Cc:** VUKICH, JACOB J  
**Subject:** Withdraw of FeXapan label amendment - November 23, 2016  
**Attachments:** 20161128 FeXapan (352-913) EPA Receipt of amendment.pdf

To whom it may concern:

By this email, DuPont withdraws the submission of the fast track label amendment for DuPont™ FeXapan™ Herbicide (EPA Reg. No. 352-913) - Alternate Brand Name: DuPont™ FeXapan™ herbicide Plus VaporGrip™ Technology submitted to the Agency on November 23, 2016.

The above referenced action has been superseded by a R350 label amendment submitted December 13, 2016.

Best regards,  
Rebecca M. Ashley

*Rebecca M. Ashley  
U.S. Product Registration Manager  
DuPont Crop Protection  
Stine Haskell Research Center S300/417  
1090 Elkton Road, P.O. Box 30  
Newark, Delaware 19714  
rebecca.m.ashley@usa.dupont.com  
(302) 451-0829*

DuPont Crop Protection

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Francais Deutsch Italiano Espanol Portugues Japanese Chinese Korean

[http://www.DuPont.com/corp/email\\_disclaimer.html](http://www.DuPont.com/corp/email_disclaimer.html)

**\*Claimed confidential by submitter\***



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

November 28, 2016

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

MR. JACOB. J. VUKICH  
E. I. DU PONT DE NEMOURS AND COMPANY (S300/419)  
ATTN: MANAGER, US REGISTRATION, DUPONT CROP PROTECTION  
CHESTNUT RUN PLAZA, 974 CENTRE ROAD, PO BOX 2915  
WILMINGTON, DE 19805-

DuPont Received

NOV 30 2016

PRODUCT NAME: DUPONT FEXAPAN HERBICIDE  
COMPANY NAME: E. I. DU PONT DE NEMOURS AND COMPANY (S300/419)  
OPP IDENTIFICATION NUMBER:  
EPA FILE SYMBOL: 352-913  
EPA RECEIPT DATE: 11/23/16

SUBJECT: RECEIPT OF AMENDMENT

DEAR REGISTRANT:

The Office of Pesticide Programs has received your application for an amendment and it has passed an administrative screen for completeness.

During the initial screen we determined that the application appears to qualify for fast track review. The package will now be forwarded to the Product Manager for review to determine its acceptability for fast track status.

If you have any questions, please contact Registration Division, Risk Management Team 23, at (703) 305-1243.

Sincerely,


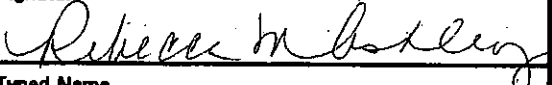
A handwritten signature in black ink, appearing to be a stylized "S" or "J" followed by a flourish.

Front End Processing Staff  
Information Services Branch  
Information Technology & Resources Management Division

XXX

Please read instructions on reverse before completing form.

Form Approved, OMB No. 2070-0080, Approval expires 05-31-98

|  |  |  |  |
|--|--|--|--|
|  <b>United States</b><br><b>Environmental Protection Agency</b><br>Washington, DC 20460   |  | <input type="checkbox"/> Registration<br><input checked="" type="checkbox"/> Amendment<br><input type="checkbox"/> Other   | OPP Identifier Number<br>XXXXXXX   |
| <b>Application for Pesticide - Section I</b>   |  |  |  |
| 1. Company/Product Number<br>352-913   |  | 2. EPA Product Manager<br>Kathryn Montague   |  |
| 4. Company/Product (Name)<br>DuPont™ FeXapan™ herbicide Plus VaporGrip™ Technology   |  | 3. Proposed Classification<br><input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted   |  |
| 5. Name and Address of Applicant (Include ZIP Code)<br>E. I. du Pont de Nemours & Company<br>Crop Protection, P. O. Box 30<br>Newark, DE 19714-0030 Attention: R. M. Ashley<br><input type="checkbox"/> Check if this is a new address   |  | 6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to:<br>EPA Reg. No. _____<br>Product Name _____ |  |
| <b>Section - II</b>  |  |  |  |
| <input checked="" type="checkbox"/> Amendment - Explain below. <input type="checkbox"/> Final printed labels in response to Agency letter dated _____<br><input type="checkbox"/> Resubmission in response to Agency letter dated _____ <input type="checkbox"/> "Me Too" Application.<br><input type="checkbox"/> Notification - Explain below. <input type="checkbox"/> Other - Explain below. |  |  |  |
| <b>Explanation:</b> Use additional page(s) if necessary. (For section I and Section II.)<br>Submission of supplemental labels for DuPont™ FeXapan™ herbicide Plus VaporGrip™ Technology  |  |  |  |
| <b>Section - III</b>   |  |  |  |
| 1. Material This Product Will Be Packaged In:  |  |  |  |
| Child-Resistant Packaging<br><input type="checkbox"/> Yes <input type="checkbox"/> No<br>* Certification must be submitted   | Unit Packaging<br><input type="checkbox"/> Yes <input type="checkbox"/> No<br>If "Yes" Unit Packaging wgt. No. per container | Water Soluble Packaging<br><input type="checkbox"/> Yes <input type="checkbox"/> No<br>If "Yes" Package wgt. No. per container   | 2. Type of Container<br><input type="checkbox"/> Metal<br><input type="checkbox"/> Plastic<br><input type="checkbox"/> Glass<br><input type="checkbox"/> Paper<br><input type="checkbox"/> Other (Specify) _____ |
| 3. Location of Net Contents Information<br><input type="checkbox"/> Label <input type="checkbox"/> Container   |  | 4. Size(s) Retail Container  |  |
|  |  | 5. Location of Label Directions<br><input type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product   |  |
| 6. Manner in Which Label is Affixed to Product<br><input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled  |  | <input type="checkbox"/> Other _____   |  |
| <b>Section - IV</b>  |  |  |  |
| 1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)  |  |  |  |
| Name<br>Rebecca M. Ashley  |  | Title<br>US Registration Manager   |  |
|  |  | Telephone No. (Include Area Code)<br>302-451-0829  |  |
| <b>Certification</b><br>I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.   |  |  | 6. Date Application Received<br>(Stamped)  |
| 2. Signature<br>  |  | 3. Title<br>US Registration Manager  |  |
| 4. Typed Name<br>Rebecca M. Ashley   |  | 5. Date<br>November 23, 2016   |  |



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

August 30, 2016

Rebecca M. Ashley  
E.I. du Pont de Nemours & Company  
Crop Protection, P.O. Box 30  
Newark, DE 19714-0030

Subject: Notification per PRN 98-10 – Alternate Brand Name  
Product Name: Dupont FeXapan Herbicide  
EPA Registration Number: 352-913  
Application Date: June 24, 2016  
Decision Number: 519069

Dear Rebecca Ashley:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 for the above referenced product. The Registration Division (RD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the action requested falls within the scope of PRN 98-10.

The alternate brand name **DuPont™ FeXapan™ Herbicide plus VaporGrip™ Technology** has been added to the product record.

If you have any questions, you may contact Grant Rowland at 703-347-0254 or via email at [Rowland.Grant@epa.gov](mailto:Rowland.Grant@epa.gov)

Sincerely,

A handwritten signature in cursive script, appearing to read "Kathryn V. Montague".

Kathryn Montague, Product Manager 23  
Herbicide Branch  
Registration Division (7505P)  
Office of Pesticide Programs



DuPont Crop Protection  
Stine-Haskell Research Center  
P.O. Box 30  
Newark, DE 19714-0030

**ACTION: NOTIFICATION per PR NOTICE 98-10**

**FEE CATEGORY: None**

**REGISTRATION FEE: None**

**E-mail Contact: [DuPont.USRegFee@usa.dupont.com](mailto:DuPont.USRegFee@usa.dupont.com)**

June 24, 2016

Ms. Kathryn Montague  
c/o Document Processing Desk (NOTIF)  
Office of Pesticide Programs (7504P)  
U.S. Environmental Protection Agency  
One Potomac Yard  
2777 S. Crystal Drive  
Arlington, VA 22202

Subject: **Notification of Alternate Brand Name per PR Notice 98-10**  
DuPont™ FeXapan™ Herbicide (EPA Reg. No. 352-913)

Dear Ms. Montague:

Enclosed is an application for Pesticide Amendment submitting the following alternate brand name for DuPont™ FeXapan™ Herbicide:

DuPont™ FeXapan™ Herbicide plus VaporGrip™ Technology

**This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.**

If you have any questions regarding this action, please contact me at 302-451-0829 or by email at [Rebecca.m.Ashley@usa.dupont.com](mailto:Rebecca.m.Ashley@usa.dupont.com)

Best regards,

Rebecca M. Ashley  
US Product Registration Manager

**DOCUMENTUM**

|  |  |   |   |  |   |  |  |
|--|--|---|---|--|---|--|--|
|  |  | United States<br><b>Environmental Protection Agency</b><br>Washington, DC 20460 |   | <div style="border: 1px solid black; padding: 2px; display: inline-block;"> <input checked="" type="checkbox"/> Registration<br/> <input type="checkbox"/> Amendment<br/> <input checked="" type="checkbox"/> Other       </div> |   | OPP Identifier Number<br><div style="border: 1px solid black; padding: 5px; font-family: monospace; font-size: 1.2em;">XXXXXXX</div>   |  |
| <b>Application for Pesticide - Section I</b>   |  |   |   |  |   |  |  |
| 1. Company/Product Number<br>352-913   |  |   | 2. EPA Product Manager<br>Kathryn Montague  |  |   | 3. Proposed Classification<br><input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted   |  |
| 4. Company/Product (Name)<br>DuPont™ FeXapan Herbicide   |  |   | PM#<br>23   |  |   |  |  |
| 5. Name and Address of Applicant (Include ZIP Code)<br>E. I. du Pont de Nemours & Company<br>Crop Protection, P. O. Box 30<br>Newark, DE 19714-0030    Attention: R. M. Ashley<br><br><input type="checkbox"/> Check if this is a new address  |  |   | 6. Expedited Review. In accordance with FIFRA Section 3(c)(3)(b)(i), my product is similar or identical in composition and labeling to:<br>EPA Reg. No. _____<br>Product Name _____ |  |   |  |  |
| <b>Section - II</b>  |  |   |   |  |   |  |  |
| <input type="checkbox"/> Amendment - Explain below.  |  |   |   | <input type="checkbox"/> Final printed labels in response to Agency letter dated _____   |   |  |  |
| <input type="checkbox"/> Resubmission in response to Agency letter dated _____   |  |   |   | <input type="checkbox"/> "Me Too" Application.   |   |  |  |
| <input checked="" type="checkbox"/> Notification - Explain below.  |  |   |   | <input type="checkbox"/> Other - Explain below.  |   |  |  |
| <b>Explanation:</b> Use additional page(s) if necessary. (For section I and Section II.)<br>Submission of Alternate Brand Name for DuPont™ FeXapan™ Herbicide via notification - DuPont™ FeXapan™ Herbicide plus VaporGrip™ Technology<br><br>This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statements of formula of this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA. |  |   |   |  |   |  |  |
| <b>Section - III</b>   |  |   |   |  |   |  |  |
| <b>1. Material This Product Will Be Packaged In:</b>   |  |   |   |  |   |  |  |
| Child-Resistant Packaging<br><input type="checkbox"/> Yes*<br><input type="checkbox"/> No  |  | Unit Packaging<br><input type="checkbox"/> Yes<br><input type="checkbox"/> No   |   | Water Soluble Packaging<br><input type="checkbox"/> Yes<br><input type="checkbox"/> No   |   | 2. Type of Container<br><input type="checkbox"/> Metal<br><input type="checkbox"/> Plastic<br><input type="checkbox"/> Glass<br><input type="checkbox"/> Paper<br><input type="checkbox"/> Other (Specify) _____ |  |
| * Certification must be submitted  |  | If "Yes" Unit Packaging wgt.    No. per container                               |   | If "Yes" Package wgt    No. per container  |   |  |  |
| 3. Location of Net Contents Information<br><input type="checkbox"/> Label <input type="checkbox"/> Container   |  |   | 4. Size(s) Retail Container   |  | 5. Location of Label Directions<br><input type="checkbox"/> On Label<br><input type="checkbox"/> On Labeling accompanying product |  |  |
| 6. Manner in Which Label is Affixed to Product<br><input type="checkbox"/> Lithograph<br><input type="checkbox"/> Paper glued<br><input type="checkbox"/> Stenciled  |  |   | <input type="checkbox"/> Other _____  |  |   |  |  |
| <b>Section - IV</b>  |  |   |   |  |   |  |  |
| <b>1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)</b>   |  |   |   |  |   |  |  |
| Name<br>Rebecca M. Ashley  |  |   | Title<br>US Registration Manager  |  |   | Telephone No. (Include Area Code)<br>302-451-0829  |  |
| <b>Certification</b>   |  |   |   |  |   | 6. Date Application Received<br>(Stamped)  |  |
| I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.   |  |   |   |  |   |  |  |
| 2. Signature<br>   |  |   |   |  |   |  |  |
| 4. Typed Name<br>Rebecca M. Ashley   |  |   | 3. Title<br>US Registration Manager   |  |   | 5. Date<br>6/24/2016   |  |
| DOCUMENTUM   |  |   |   |  |   |  |  |





UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

**Note to File**

**Date:** May 18, 2016

**Registration Number:** 352-913 & 352-914

**Decision Number:** 512653 & 512652

**PM/RM Name:** Kathryn Montague

A handwritten signature in black ink, appearing to be "KML", is written over the name "Kathryn Montague".

**Background:** DuPont was unwilling to add the required restrictions needed in order to place dicamba-tolerant soybeans grown for research, field trials or seed production to their label. See attached e-mail for further details

**Decision:** DuPont voluntarily withdrew their submission.

**Rowland, Grant**

---

**From:** ASHLEY, REBECCA M <Rebecca.M.Ashley@dupont.com>  
**Sent:** Tuesday, May 17, 2016 3:05 PM  
**To:** Rowland, Grant  
**Cc:** Montague, Kathryn V.; Kenny, Daniel; VUKICH, JACOB J  
**Subject:** RE: 1 - supplemental labeling for use of FeXapan (352-913) and D1691 (352-914) in soybean seed production

Grant,

Thanks again for your e-mail from April 28.

You will recall that the proposed DuPont supplemental labels For D1691 (EPA Reg. No. 352-914) and DuPont FeXapan (EPA Reg. No. 352-913) are based on the currently approved supplemental labels [REDACTED]. During the review process of the two DuPont supplemental labels, the Agency raised some points of concern, and to address those concerns DuPont proposed an acreage limitation (i.e., use would be limited to no more than 7000 acres) and an expiration date (one year) for the DuPont supplemental labels.

Upon further review, and as specified in your e-mail below, the Agency is now requiring that DuPont include a number of additional restrictions on the DuPont supplemental labels. [REDACTED]

Therefore, we will not agree to the proposed restrictions, and are hereby requesting a withdrawal of the two proposed DuPont supplemental labels.

Best regards,  
Becky

*Rebecca M. Ashley  
U.S. Product Registration Manager  
DuPont Crop Protection  
Stine Haskell Research Center S300/417  
1090 Elkton Road, P.O. Box 30  
Newark, Delaware 19714  
rebecca.m.ashley@usa.dupont.com  
(302) 451-0829*

DuPont Crop Protection

**From:** Rowland, Grant [mailto:Rowland.Grant@epa.gov]  
**Sent:** Thursday, April 28, 2016 5:46 PM  
**To:** ASHLEY, REBECCA M <Rebecca.M.Ashley@dupont.com>  
**Cc:** Montague, Kathryn V. <Montague.Kathryn@epa.gov>; Kenny, Daniel <Kenny.Dan@epa.gov>  
**Subject:** RE: 1 - supplemental labeling for use of FeXapan (352-913) and D1691 (352-914) in soybean seed production

Hello Becky

I spoke with Dan Kenny and Kathryn Montague this afternoon regarding the two supplemental labels you currently have pending in RD (reg # 352-913 and 352-914). After much discussion, we determined the following:

-In order to grant the two supplemental label registrations there needs to be further restrictions added to the labels. The two restrictions you sent in (*Limit annual application to a total of no more than 7000 acres*, and *Add a one year expiration date on the supplemental label*) are a good place to start. Please add both restrictions to the labels in question.

Second, we understand that both the labels you submitted were referencing previously approved labels. However, as you are aware the EPA has recently released the Dicamba proposed decision document to the public for comment. Within this document, we list additional restrictions needed in order to maintain safety based on the new information we have gathered.

With DuPont choosing to submit their supplemental dicamba labels while our Agency is in the midst of the Dicamba comment period, it is necessary for us to require that the new restriction be added to your supplemental labels as well.

The restrictions included the following:

**1. Tank-mixing instructions:**

**Restrictions:** Do not tank mix any other herbicide with (insert your product name here).

**2. Sensitive Areas**

**Threatened and Endangered Species**

**Maintain a 110 foot buffer (when applying 16 fl oz of this product per acre), or a 220 foot buffer (when applying 32 fl oz of this product per acre) from all outer edges of the field, less the distance of any of the adjacent areas specified below.**

**To maintain the required buffer zone:**

- No application swath can be initiated in, or into an area that is within the applicable buffer distance.
  - The following areas may be included in the buffer distance calculation when adjacent to field edges:
    - Roads, paved or gravel surfaces.
    - Planted agricultural fields containing corn, sorghum, proso millet, small grains and sugarcane.
    - Agricultural fields that have been prepared for planting.
    - Areas covered by the footprint of a building, shade house, silo, feed crib, or other man made structure with walls and or roof.
- 3. The food and feed restriction(#3 on your label) needs to be reworded to read as follows: No portion of the treated plants or harvested seed of ( your product name) may be used for human or animal consumption and cannot be used or processed for food or**

**feed. Plants treated with ( product name) must be destroyed post-harvest. All seed must be destroyed or remain under the control of DuPont in a secure facility, until such time as it may be lawfully sold.**

If you have any questions or concerns, please feel free to contact myself, Dan Kenny or Kathryn Montague ( I believe Dan will be the only person in the office tomorrow). If not, please make the necessary changes and we can move forward with approving these labels for you. Thank you

*Grant Rowland  
Herbicide Branch  
Registration Division  
Office of Pesticide Programs  
703-347-0254*

**From:** [Rebecca.M.Ashley@dupont.com](mailto:Rebecca.M.Ashley@dupont.com) [<mailto:Rebecca.M.Ashley@dupont.com>]  
**Sent:** Friday, April 22, 2016 10:27 AM  
**To:** Rowland, Grant <[Rowland.Grant@epa.gov](mailto:Rowland.Grant@epa.gov)>  
**Cc:** Montague, Kathryn V. <[Montague.Kathryn@epa.gov](mailto:Montague.Kathryn@epa.gov)>; [Jacob.J.Vukich@dupont.com](mailto:Jacob.J.Vukich@dupont.com)  
**Subject:** RE: 1 - supplemental labeling for use of FeXapan (352-913) and D1691 (352-914) in soybean seed production

Grant,

Thank you for your response. Jake had a brief discussion regarding these pending labels with Dan Kenny earlier this week while at EPA. We understand the limitations that EPA is operating under concerning the approvals of these actions.

We would like to propose the following changes to the pending supplementals in order to expedite approval:

- 1) Limit annual application to a total of no more than 7000 acres,
- 2) Add a one year expiration date on the supplemental label.

Please let me know if this is acceptable and I will send revised labels.

Best regards,  
Becky Ashley

*Rebecca M. Ashley  
U.S. Product Registration Manager  
DuPont Crop Protection  
Stine Haskell Research Center S300/417  
1090 Elkton Road, P.O. Box 30  
Newark, Delaware 19714  
[rebecca.m.ashley@usa.dupont.com](mailto:rebecca.m.ashley@usa.dupont.com)  
(302) 451-0829*

DuPont Crop Protection

**From:** Rowland, Grant [<mailto:Rowland.Grant@epa.gov>]

**Sent:** Tuesday, April 19, 2016 10:24 AM

**To:** ASHLEY, REBECCA M

**Subject:** RE: 1 - supplemental labeling for use of FeXapan (352-913) and D1691 (352-914) in soybean seed production

Becky,

I understand your situation as we here at EPA are constantly reminded by Registrants that the Business and Marketing teams have deadlines that must be met. However those teams do not run the EPA and unfortunately with our Office already being under staff, we just lost another person from the Herbicide team meaning we are working with a skeleton crew with no signs of reenforcement coming any time soon. That being said, and with the type of actions they are (GMO) I cannot guarantee that the two labels you are inquiring about will be ready by April 30<sup>th</sup>.

As I have seen many times in the past, I would suggest you do not make any guarantees to your business teams as those promises usually escalate into big issues down the line. I will be doing everything I can to get you the two labels before the end of April, however I want to make you aware of the situations in order for everyone to understand the situation. Thank you

-Grant

*Grant Rowland  
Herbicide Branch  
Registration Division  
Office of Pesticide Programs  
703-347-0254*

**From:** Rebecca.M.Ashley@dupont.com [<mailto:Rebecca.M.Ashley@dupont.com>]

**Sent:** Thursday, April 14, 2016 3:25 PM

**To:** Rowland, Grant <[Rowland.Grant@epa.gov](mailto:Rowland.Grant@epa.gov)>

**Subject:** RE: 1 - supplemental labeling for use of FeXapan (352-913) and D1691 (352-914) in soybean seed production

Grant,

After discussions with my business team, in order for this label to have utility for our 2016 seed production needs, we would need an EPA approved supplemental label by April 30<sup>th</sup>. If further discussion are necessary regarding this label and this timing, please let me know.

Best regard,  
Becky

*Rebecca M. Ashley  
U.S. Product Registration Manager  
DuPont Crop Protection  
Stine Hoskell Research Center S300/417  
1090 Elkton Road, P.O. Box 30  
Newark, Delaware 19714  
[rebecca.m.ashley@usa.dupont.com](mailto:rebecca.m.ashley@usa.dupont.com)  
(302) 451-0829*

DuPont Crop Protection

**From:** Rowland, Grant [<mailto:Rowland.Grant@epa.gov>]

**Sent:** Thursday, April 07, 2016 9:50 AM

**To:** ASHLEY, REBECCA M

**Subject:** RE: 1 - supplemental labeling for use of FeXapan (352-913) and D1691 (352-914) in soybean seed production

Becky,

As you know, this area of agriculture is highly contested and high profile for everyone involved. With that, it is necessary that EPA take a close look at every action that entails "GMO" technology. We are currently in the middle of reviewing your labels and if any questions arise, we will contact you.

To answer any questions from your business/marketing team, I would say we should have something for you in the next few weeks.

-Grant

*Grant Rowland*

*Herbicide Branch*

*Registration Division*

*Office of Pesticide Programs*

*703-347-0254*

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## Sunderland, Deirdre

---

**From:** Rebecca.M.Ashley@dupont.com  
**Sent:** Wednesday, July 22, 2015 6:34 PM  
**To:** Sunderland, Deirdre  
**Cc:** Rowland, Grant; Montague, Kathryn V.  
**Subject:** RE: 1 - RE: Pre-decisional determination for EPA Reg. No. 352-ORG  
**Attachments:** FEXAPAN D-1936 072215.pdf

Revised label attached.

Regards,  
Becky

*Rebecca M. Ashley  
U.S. Product Registration Manager  
DuPont Crop Protection  
Stine Haskell Research Center S300/417  
1090 Elkton Road, P.O. Box 30  
Newark, Delaware 19714  
rebecca.m.ashley@usa.dupont.com  
(302) 451-0829*

DuPont Crop Protection

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**From:** Sunderland, Deirdre [mailto:Sunderland.Deirdre@epa.gov]  
**Sent:** Wednesday, July 22, 2015 4:20 PM  
**To:** ASHLEY, REBECCA M  
**Cc:** Rowland, Grant; Montague, Kathryn V.  
**Subject:** RE: 1 - RE: Pre-decisional determination for EPA Reg. No. 352-ORG

Rebecca,

I leave at 4:30 today and I am out of the office tomorrow so if you are submitting this after 4:30pm EST today or anytime tomorrow please make sure to send it to both Grant and Kathryn (as you have done) so that we can get it done before the PRIA date.

Thanks,  
Deirdre

**From:** Sunderland, Deirdre  
**Sent:** Wednesday, July 22, 2015 2:07 PM  
**To:** 'Rebecca.M.Ashley@dupont.com'  
**Cc:** Rowland, Grant; Montague, Kathryn V.  
**Subject:** RE: 1 - RE: Pre-decisional determination for EPA Reg. No. 352-ORG

One minor edit on pg 15 of attached proposed label.

**From:** [Rebecca.M.Ashley@dupont.com](mailto:Rebecca.M.Ashley@dupont.com) [mailto:Rebecca.M.Ashley@dupont.com]  
**Sent:** Wednesday, July 22, 2015 10:02 AM  
**To:** Sunderland, Deirdre  
**Cc:** Rowland, Grant; Montague, Kathryn V.  
**Subject:** RE: 1 - RE: Pre-decisional determination for EPA Reg. No. 352-ORG



Deirdre,

The revised draft label is attached including all of the changes that have been discussed. Please review and let me know if any additional changes are required. I will send the ORU label to Grant in a separate email.

Best regards,  
Becky

*Rebecca M. Ashley  
U.S. Product Registration Manager  
DuPont Crop Protection  
Stine Haskell Research Center 5300/417  
1090 Elkton Road, P.O. Box 30  
Newark, Delaware 19714  
[rebecca.m.ashley@uso.dupont.com](mailto:rebecca.m.ashley@uso.dupont.com)  
(302) 451-0829*

DuPont Crop Protection

---

**From:** Sunderland, Deirdre [<mailto:Sunderland.Deirdre@epa.gov>]  
**Sent:** Wednesday, July 22, 2015 8:57 AM  
**To:** ASHLEY, REBECCA M  
**Cc:** Rowland, Grant; Montague, Kathryn V.  
**Subject:** RE: 1 - RE: Pre-decisional determination for EPA Reg. No. 352-ORG

Hi Rebecca,

I am okay with just the clean version if it saves time. I am out tomorrow and Kay is out Friday so I would really like to have it today if possible.

Let me know,  
Deirdre

**From:** [Rebecca.M.Ashley@dupont.com](mailto:Rebecca.M.Ashley@dupont.com) [<mailto:Rebecca.M.Ashley@dupont.com>]  
**Sent:** Wednesday, July 22, 2015 8:42 AM  
**To:** Sunderland, Deirdre  
**Cc:** Rowland, Grant; Montague, Kathryn V.  
**Subject:** Re: 1 - RE: Pre-decisional determination for EPA Reg. No. 352-ORG

Deirdre,

I have both of the labels (ORU and ORG) revised. My labeling specialist was out yesterday and I had to wait for her to return to have the labels completed.

I would like to prepare highlighted copies to send to you along with the clean copies. I am traveling for business today but should have time to get them highlighted and sent to you and Grant by the end of the day today or tomorrow at the latest.

Please let me know if this meets your needs

Thanks,  
Becky

Rebecca M. Ashley  
U.S. Product Registration Manager  
DuPont Crop Protection  
Stine Haskell Research Center S300/417  
1090 Elkton Road, P.O. Box 30  
Newark, Delaware 19714  
[rebecca.m.ashley@usa.dupont.com](mailto:rebecca.m.ashley@usa.dupont.com)  
(302) 451-0829

On Jul 22, 2015, at 7:45 AM, Sunderland, Deirdre <[Sunderland.Deirdre@epa.gov](mailto:Sunderland.Deirdre@epa.gov)> wrote:

Hi Rebecca,

I just wanted to touch base with you regarding the status of these label.

Thanks,  
Deirdre

**From:** [Rebecca.M.Ashley@dupont.com](mailto:Rebecca.M.Ashley@dupont.com) [<mailto:Rebecca.M.Ashley@dupont.com>]  
**Sent:** Monday, July 20, 2015 8:37 AM  
**To:** Sunderland, Deirdre; Rowland, Grant  
**Cc:** Montague, Kathryn V.  
**Subject:** RE: 1 - RE: Pre-decisional determination for EPA Reg. No. 352-ORG

Deirdre,

Thank you for your response. I will have the final changes made to both labels and send to you and Grant for review.

I appreciate your patience and understanding while working through this.

Regards,  
Becky

*Rebecca M. Ashley*  
*U.S. Product Registration Manager*  
*DuPont Crop Protection*  
*Stine Haskell Research Center S300/417*  
*1090 Elkton Road, P.O. Box 30*  
*Newark, Delaware 19714*  
[rebecca.m.ashley@usa.dupont.com](mailto:rebecca.m.ashley@usa.dupont.com)  
(302) 451-0829

DuPont Crop Protection

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**From:** Sunderland, Deirdre [<mailto:Sunderland.Deirdre@epa.gov>]  
**Sent:** Friday, July 17, 2015 12:07 PM  
**To:** ASHLEY, REBECCA M; Rowland, Grant  
**Cc:** Montague, Kathryn V.  
**Subject:** RE: 1 - RE: Pre-decisional determination for EPA Reg. No. 352-ORG

Becky,

This email exchange is sufficient. We do not need an 'official response' at this time.

Thanks,  
Deirdre

**From:** [Rebecca.M.Ashley@dupont.com](mailto:Rebecca.M.Ashley@dupont.com) [<mailto:Rebecca.M.Ashley@dupont.com>]  
**Sent:** Friday, July 17, 2015 11:37 AM  
**To:** Sunderland, Deirdre; Rowland, Grant  
**Cc:** Montague, Kathryn V.  
**Subject:** RE: 1 - RE: Pre-decisional determination for EPA Reg. No. 352-ORG

Deirdre,

Thank you for your response. I will discuss with Monsanto.

In the meantime, do you require an official response to the Pre-decisional Determination letter that you provided to me? I did not get a similar letter from Grant for the 352-ORU submission and they are on the same timing as far as the PRIA date. If so, please let me know if an email response is acceptable or if I need to send something through front end processing.

Thanks,  
Becky

*Rebecca M. Ashley*  
*U.S. Product Registration Manager*  
*DuPont Crop Protection*  
*Stine Haskell Research Center S300/417*  
*1090 Elkton Road, P.O. Box 30*  
*Newark, Delaware 19714*  
[rebecca.m.ashley@usa.dupont.com](mailto:rebecca.m.ashley@usa.dupont.com)  
*(302) 451-0829*

*DuPont Crop Protection*

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**From:** Sunderland, Deirdre [<mailto:Sunderland.Deirdre@epa.gov>]  
**Sent:** Friday, July 17, 2015 11:24 AM  
**To:** ASHLEY, REBECCA M; Rowland, Grant  
**Cc:** Montague, Kathryn V.  
**Subject:** RE: 1 - RE: Pre-decisional determination for EPA Reg. No. 352-ORG

Hi Rebecca,

We are okay with the change to the section header as you have described below. Please note, as stated in our previous emails "recommended" should be change to "registered" or "may be used".

In regards to the numeric PHI for sorghum forage and fodder, when the review was conducted by HED they used a specific amount of days as opposed to a growth stage because growth stages can vary based on a number of circumstances (e.g., location, rainfall, etc.); therefore, the numeric values should be listed. If these PHIs were inadvertently left out of the Clarity label, we will address this.

Regards,  
Deirdre

**From:** [Rebecca.M.Ashley@dupont.com](mailto:Rebecca.M.Ashley@dupont.com) [mailto:[Rebecca.M.Ashley@dupont.com](mailto:Rebecca.M.Ashley@dupont.com)]  
**Sent:** Thursday, July 16, 2015 12:44 PM  
**To:** Sunderland, Deirdre; Rowland, Grant  
**Cc:** Montague, Kathryn V.  
**Subject:** 1 - RE: Pre-decisional determination for EPA Reg. No. 352-ORG

Deirdre and Grant,

After discussions with my counterpart at Monsanto, this is what we have developed to meet EPA's request. Please let me know if this is acceptable.

Section header to read:

**PASTURE, HAY, RANGELAND, AND GENERAL FARMSTEAD  
(NONCROPLAND) and SMALL GRAINS (FORAGE SORGHUM, RYE,  
SUDANGRASS, OR WHEAT) GROWN FOR PASTURE, HAY, AND SILAGE  
ONLY**

FeXapan™ is recommended for use on pasture, hay, rangeland, and general farmstead (non-cropland) (including fencerows and non-irrigation ditchbanks) for control or suppression of broadleaf weed and brush species listed in the WEEDS CONTROLLED section. FeXapan™ uses described in this section also pertain to grasses and small grains (forage sorghum, rye, sudangrass, or wheat) grown for grass, forage, fodder, hay and/or pasture use only. (Grasses and small grains not grown ONLY for grass, forage, fodder, hay and/or pasture must comply with crop-specific uses in this label.)

Adding under “**Crop-Specific Restrictions**” - add the following language to address the PHIs for sorghum forage and fodder:

Do not graze or feed treated sorghum forage or silage prior to mature grain stage.

This statement is consistent with the 20 and 30 day PHI and we would prefer it remain on the label as opposed to numeric PHIs. This language was approved by EPA for the BASF Clarity label (EPA Reg No. 7969-137 – April 11, 2011) following the issuance of the Dicamba RED.

Adding PHI for Oats:

A waiting interval of 7 days is required before harvest.

Adding PHI for Sugarcane:

Delay harvest until 87 days after treatment.

For Sorghum - Add PHI for grain:

Delay harvest until 30 days after treatment.

The label contains a statement: "Do not graze or feed treated sorghum forage or silage prior to mature grain stage." This statement is consistent with the 20 and 30 day PHI and we would prefer it remain on the label. (See reference to Clarity label above).

Best regards,  
Becky Ashley

*Rebecca M. Ashley*  
*U.S. Product Registration Manager*  
*DuPont Crop Protection*  
*Stine Haskell Research Center S300/417*  
*1090 Elkton Road, P.O. Box 30*  
*Newark, Delaware 19714*  
[rebecca.m.ashley@usa.dupont.com](mailto:rebecca.m.ashley@usa.dupont.com)  
(302) 451-0829

DuPont Crop Protection

---

**From:** Sunderland, Deirdre [<mailto:Sunderland.Deirdre@epa.gov>]  
**Sent:** Tuesday, July 14, 2015 11:54 AM  
**To:** ASHLEY, REBECCA M  
**Cc:** Montague, Kathryn V.  
**Subject:** RE: Pre-decisional determination for EPA Reg. No. 352-ORG

Hi Rebecca,

I have listed the response to your questions below:

1. It is okay to use "registered for use" instead of "recommended for use"
2. it is important to make this section stand out because these are in fact, different use sites. In addition, these small grains can also be food use. Although you state "forage, fodder, hay and/or pasture use only" this could cause confusion. Furthermore, there are additional PHIs for sorghum (i.e., sorghum forage -20 day PHI, sorghum fodder 30 day PHI) which must be listed in your label. If you prefer, you can keep the statements in this section but include "**Small grains (barley, corn, forage sorghum, oats, rye, sudangrass, or wheat) grown for pasture, hay, and silage only.**" as a header for this paragraph and then list the additional PHI under it.
4. Okay to leave out "to the extent consistent..."

In addition to the sorghum PHIs listed above, there are some additional PHIs that need to be included in the label. These should be listed in the specific crop section and under the section discussed in #2 above when appropriate.

oats, grain- 7 days;  
sugarcane, cane- 87 days; and  
sorghum, grain- 30 days

Please let me know if you have any additional questions/concerns.

Deirdre

**From:** [Rebecca.M.Ashley@dupont.com](mailto:Rebecca.M.Ashley@dupont.com) [<mailto:Rebecca.M.Ashley@dupont.com>]  
**Sent:** Monday, July 13, 2015 9:22 AM  
**To:** Sunderland, Deirdre

Cc: Montague, Kathryn V.

Subject: RE: Pre-decisional determination for EPA Reg. No. 352-ORG

Deirdre,

- 1) There are several places where it is suggested that we change "recommended for use" to "may be used on". Our preference would be to change it to "registered for use on". Is this acceptable?

Example:

Change: FeXapan™ is recommended for use on pasture, hay, rangeland, and general farmstead

To: FeXapan™ is registered for use on pasture, hay, rangeland, and general farmstead

- 2) I'm not clear on why there is a need to put this in a separate section as noted. This is just a descriptor of these crops when they are grown for Pasture and Hay. The uses of those crops other than Pasture and Hay are already listed in their own sections on the label. I would suggest moving the language to the first paragraph.

PASTURE, HAY, RANGELAND, AND GENERAL FARMSTEAD (NONCROPLAND)

FeXapan™ is recommended for use on pasture, hay, rangeland, and general farmstead (non-cropland) (including fencerows and non-irrigation ditchbanks) for control or suppression of broadleaf weed and brush species listed in the WEEDS CONTROLLED section. FeXapan™ uses described in this section also pertain to grasses and small grains (forage sorghum, rye, sudangrass, or wheat) grown for grass, forage, fodder, hay and/or pasture use only. (Grasses and small grains not grown ONLY for grass, forage, fodder, hay and/or pasture must comply with crop-specific uses in this label.

- 3) The Perennial weed species list will be edited to add the additional weeds – this was an oversight.
- 4) The warranty statement as written has been reviewed and accepted by EPA and is considered standard boilerplate. The Limitation of Warranty and Liability on p-23 of the proposed label for 352-ORG appears on all DuPont products. The language is consistent with the US EPA Guidance on Warranty Statements, published October 17, 2006. The specific paragraph in which a change is being requested is a Statement of Conditions as per Example 1 of the Agency guidance document, and not a disclaimer of Warranty which is the circumstance where the text (To the extent permitted...) is required.
- 5) All other changes as noted on the label are acceptable.

Thanks, Becky

Rebecca M. Ashley  
U.S. Product Registration Manager  
DuPont Crop Protection  
Stine Haskell Research Center S300/417  
1090 Elkton Road, P.O. Box 30  
Newark, Delaware 19714  
[rebecca.m.ashley@usa.dupont.com](mailto:rebecca.m.ashley@usa.dupont.com)  
(302) 451-0829

DuPont Crop Protection

**From:** Sunderland, Deirdre [<mailto:Sunderland.Deirdre@epa.gov>]  
**Sent:** Friday, July 10, 2015 4:13 PM  
**To:** ASHLEY, REBECCA M  
**Cc:** Montague, Kathryn V.  
**Subject:** Pre-decisional determination for EPA Reg. No. 352-ORG

Good afternoon,

Please see the attached letter and label regarding the Agency's pre-decisional determination for EPA Reg. No. 352-ORG.

Have a great weekend,  
Deirdre

Herbicide Branch  
Registration Division  
Office of Pesticide Programs  
US Environmental Protection Agency  
1200 Pennsylvania Avenue, NW  
Washington DC, 20460  
703-603-0851

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**\*Claimed confidential by submitter\***





United States  
Environmental Protection Agency  
Washington, DC 20460

☐ Registration  
☒ Amendment  
☐ Other

OPP Identifier Number

## Application for Pesticide - Section I

|  |  |  |
|--|--|--|
| 1. Company/Product Number<br>352-913   | 2. EPA Product Manager<br>Kathryn Montague   | 3. Proposed Classification<br><input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted |
| 4. Company/Product (Name)<br>DuPont™ FeXapan™ Herbicide  | PM#<br>23  |  |
| 5. Name and Address of Applicant (Include ZIP Code)<br>E. I. du Pont de Nemours and Company<br>1007 Market Street<br>Wilmington, DE 19898 Attention: R. M. Ashley<br><br><input type="checkbox"/> Check if this is a new address | 6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to:<br>EPA Reg. No. _____<br>Product Name _____ |  |

## Section - II

|  |  |
|--|--|
| <input checked="" type="checkbox"/> Amendment - Explain below.                 | <input type="checkbox"/> Final printed labels in response to Agency letter dated _____ |
| <input type="checkbox"/> Resubmission in response to Agency letter dated _____ | <input type="checkbox"/> "Me Too" Application.   |
| <input type="checkbox"/> Notification - Explain below.                         | <input type="checkbox"/> Other - Explain below.  |

**Explanation:** Use additional page(s) if necessary. (For section I and Section II.)  
Submission of Supplemental Labeling for DuPont™ FeXapan™ Herbicide

## Section - III

|  |  |   |                       |  |   |
|--|--|---|-----------------------|--|---|
| 1. Material This Product Will Be Packaged In:  |  |   |                       | 2. Type of Container   |   |
| Child-Resistant Packaging<br><input type="checkbox"/> Yes*<br><input checked="" type="checkbox"/> No                               | Unit Packaging<br><input checked="" type="checkbox"/> Yes<br><input type="checkbox"/> No | Water Soluble Packaging<br><input type="checkbox"/> Yes<br><input checked="" type="checkbox"/> No                                       |                       | <input type="checkbox"/> Metal   |   |
| * Certification must be submitted  | If "Yes" Unit Packaging wgt.<br>7.5 ounces   | No. per container<br>various  | If "Yes" Package wgt. | No. per container<br>various   | <input checked="" type="checkbox"/> Plastic               |
|  |  |   |                       |  | <input type="checkbox"/> Glass                            |
|  |  |   |                       |  | <input checked="" type="checkbox"/> Paper                 |
|  |  |   |                       |  | <input checked="" type="checkbox"/> Other (Specify) _____ |
| 3. Location of Net Contents Information<br><input checked="" type="checkbox"/> Label <input checked="" type="checkbox"/> Container |  | 4. Size(s) Retail Container<br>Various  |                       | 5. Location of Label Directions<br><input type="checkbox"/> On Label<br><input checked="" type="checkbox"/> On Labeling accompanying product |   |
| 6. Manner in Which Label is Affixed to Product   |  | <input checked="" type="checkbox"/> Lithograph<br><input checked="" type="checkbox"/> Paper glued<br><input type="checkbox"/> Stenciled |                       | <input checked="" type="checkbox"/> Other _____  |   |

## Section - IV

|   |   |   |
|---|---|---|
| 1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)   |   |   |
| Name<br>Rebecca M. Ashley   | Title<br>U.S. Product Registration Manager    | Telephone No. (Include Area Code)<br>(302) 451-9829 |
| <b>Certification</b><br>I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete.<br>I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law. |   | 6. Date Application Received<br>(Stamped)           |
| 2. Signature<br>  | 3. Title<br>U.S. Product Registration Manager |   |
| 4. Typed Name<br>Rebecca M. Ashley  | 5. Date<br>12/21/2015                         |   |

# PROCESSING REQUEST

Reg # 352-913

Decision # 501382

Description: PRIA R300- New Registration

Electronic Label & Letter  
(see PPLS):

OR

Non Electronic  
Label & Letter  
(Scanning required):

☒ Dated: 7/23/15

☐ Dated:

\*\*\*Only one label type should be selected\*\*\*

Other Materials Sent (see jacket):

☒ New CSF(s) Dated: 2/25/2015

☐ Other:

File this coversheet and attached materials in the jacket. It must be well organized and clipped together, NOT STAPLED. Then give the jacket with the coversheet and materials to staff in the Information Services Center (ISC) (Room S-4900). If a jacket is full or only available as an image, please file materials in a new jacket and bring it down to the (ISC). For further information please call 703-605-0716.

Reviewer: Deirdre Sunderland

Division: RD

Phone: 703-603-0851

Date: 7/31/15



U.S. ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs  
Registration Division (7505P)  
1200 Pennsylvania Ave., N.W.  
Washington, D.C. 20460

EPA Reg. Number:

352-913

Date of Issuance:

7/23/15

NOTICE OF PESTICIDE:

☒ Registration  
☐ Reregistration  
(under FIFRA, as amended)

Term of Issuance:

Unconditional

Name of Pesticide Product:

DuPont FeXapan

Name and Address of Registrant (include ZIP Code):

E.I. Du Pont de Nemours and Company  
1007 Market Street  
Wilmington, DE 19898

**Note:** Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is unconditionally registered in accordance with FIFRA section 3(c)(5) provided that you:

1. Submit and/or cite all data required for registration/reregistration/registration review of your product when the Agency requires all registrants of similar products to submit such data.
2. Make the following label changes before you release the product for shipment:
  - Revise the EPA Registration Number to read, "EPA Reg. No. 352-913."
3. Submit one copy of the revised final printed label for the record before you release the product for shipment.

Signature of Approving Official:

Kathryn Montague, Product Manager 23  
Herbicide Branch, Registration Division (7505P)

Date:

7/23/15

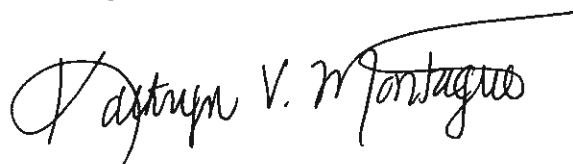
Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6. Your release for shipment of the product constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records. Please also note that the record for this product currently contains the following CSF:

- Basic CSF dated 02/25/2015

If you have any questions, please contact Deirdre Sunderland by phone at (703)603-0851, or via email at [sunderland.deirdre@epa.gov](mailto:sunderland.deirdre@epa.gov)

Sincerely,

A handwritten signature in black ink, reading "Kathryn V. Montague". The signature is fluid and cursive, with a long horizontal line extending from the end of the name.

Kathryn V. Montague, Product Manager 23  
Herbicide Branch  
Registration Division (7505P)  
Office of Pesticide Programs

Enclosure



# DuPont™ FeXapan™

herbicide

GROUP

4

HERBICIDE

For weed control in asparagus, conservation reserve programs, corn, cotton, fallow croplands, general farmstead (noncropland), sorghum, grass grown for seed, hay, proso millet, pasture, rangeland, small grains, sod farms and farmstead turf, soybean, and sugarcane.

| Active Ingredient  | By Weight |
|--|-----------|
| Diglycolamine salt of dicamba<br>(3,6-dichloro-o-anisic acid)* | 42.8%     |
| Other Ingredients  | 57.2%     |
| TOTAL  | 100.0%    |

\* contains 29.0%, 3,6-dichloro-o-anisic acid (2.9 pounds acid equivalent per U.S. gallon or 350 grams per liter).

EPA Reg. No. 352-XXX

Nonrefillable Container

Net: \_\_\_\_\_

OR

Refillable Container

Net: \_\_\_\_\_

EPA Est. No. \_\_\_\_\_

**ACCEPTED**

**07/23/2015**

Under the Federal Insecticide, Fungicide  
and Rodenticide Act as amended, for the  
pesticide registered under  
EPA Reg. No. 352-913

**KEEP OUT OF REACH OF CHILDREN**

## CAUTION

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand this label, find someone to explain it to you in detail.)

### FIRST AID

**IF IN EYES:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

**IF SWALLOWED:** Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything to an unconscious person.

**IF ON SKIN OR CLOTHING:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-441-3637 for emergency medical treatment information.

### PRECAUTIONARY STATEMENTS

#### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

### USER SAFETY RECOMMENDATIONS

Users should: Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

## PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemical-resistant to this product are nitrile rubber and butyl rubber.

**All mixers, loaders, applicators and other handlers must wear:**

- Long-sleeved shirt and long pants
- Chemical-resistant gloves
- Shoes plus socks.

See "Engineering Controls Statement" for additional requirements.

Follow the manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

**Engineering Control Statement:** When handlers use closed systems, or enclosed cabs in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

**IMPORTANT:** When reduced PPE is worn because a closed system is being used, handlers must be provided all PPE specified above for "all mixers, loaders, applicators and other handlers" and have such PPE immediately available for use in an emergency, such as a spill or equipment breakdown.

## ENVIRONMENTAL HAZARDS

Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters or rinsate. Apply this product only as directed on the label.

This chemical is known to leach through soil into ground water under certain conditions as a result of agricultural use. Use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in ground water contamination.

### GROUND AND SURFACE WATER PROTECTION

**Point source contamination** - To prevent point source contamination, do not mix or load this pesticide product within 50 feet of wells (including abandoned wells and drainage wells), sink holes, perennial or intermittent streams and rivers, and natural or impounded lakes and reservoirs. Do not apply pesticide product within 50 feet of wells. This setback does not apply to properly capped or plugged abandoned wells and does not apply to impervious pad or properly diked mixing/loading areas as described below.

Mixing, loading, rinsing, or washing operations performed within 50 feet of a well are allowed only when conducted on an impervious pad constructed to withstand the weight of the heaviest load that may be on or move across the pad. The pad must be self-contained to prevent surface water flow over or from the pad. The pad capacity must be maintained at 110% that of the largest pesticide container or application equipment used on the pad and have sufficient capacity to contain all product spills, equipment or container leaks, equipment wash waters, and rainwater that may fall on the pad. The containment capacity does not apply to vehicles delivering pesticide shipments to the mixing/loading site. States may have in effect additional requirements regarding wellhead setbacks and operational containment.

Care must be taken when using this product to prevent: a) back siphoning into wells, b) spills or c) improper disposal of excess pesticide, spray mixtures or rinsates. Check valves or anti-siphoning devices must be used on all mixing equipment.

**Movement by surface runoff or through soil** - Do not apply under conditions which favor runoff. Do not apply to impervious substrates such as paved or highly compacted surfaces in areas with high potential for ground water contamination. Ground water contamination may occur in areas where soils are permeable or coarse and ground water is near the surface. Do not apply to soils classified as sand with less than 3% organic matter and where ground water depth is shallow. To minimize the possibility of ground water contamination, carefully follow application rate instructions as affected by soil type in the Crop Specific Information section of this label.

**Movement by water erosion of treated soil** - Do not apply or incorporate this product through any type of irrigation equipment nor by flood or furrow irrigation. Ensure treated areas have received at least one-half inch rainfall (or irrigation) before using tailwater for subsequent irrigation of other fields.

## ENDANGERED SPECIES CONCERNS

The use of any pesticide in a manner that may kill or otherwise harm an endangered species or adversely modify their habitat is a violation of federal law.

### PHYSICAL OR CHEMICAL HAZARDS

Do not store or heat near oxidizing agents, hazardous chemical reaction may occur.

## DIRECTIONS FOR USE

It is a violation of Federal law to use this product in any manner inconsistent with its labeling. This product can only be used in accordance with the Directions for Use on this label or in separately published DuPont supplemental labeling. Supplemental labeling can be obtained from your Authorized DuPont Retailer or DuPont Company Representative. This labeling must be in the user's possession during application.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulations.

## AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about Personal Protective Equipment (PPE), and restricted-entry intervals. The requirements in this box only apply to uses of this product that are covered by the WPS.

Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 24 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as, plants, soil, or water is:

- Coveralls worn over short-sleeved shirt and short pants
- Chemical-resistant footwear plus socks
- Chemical-resistant gloves made of any waterproof material
- Chemical-resistant headgear for overhead exposure
- Protective eyewear

## NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

Do not enter or allow people (or pets) to enter the treated area until sprays have dried. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Do not enter or allow other people or pets to enter until sprays have dried.

## PRODUCT INFORMATION

Do not apply by air. This product is a water-soluble formulation intended for control and suppression of many annual, biennials, and perennial broadleaf weeds, as well as woody brush and vines listed in the WEEDS CONTROLLED section of this label. This product may be used for control of these weeds in asparagus, corn, cotton, conservation reserve programs, fallow cropland, grass grown for seed, hay, proso millet, pasture, rangeland, general farmstead (noncropland), small grains, sod farms and farmstead turf, sorghum, soybean, and sugarcane.

DuPont™ FeXapan™ is a postemergence, systemic herbicide which can have moderate residual control on small seeded broadleaf weeds, including waterhemp, lambsquarters and Palmer pigweed, depending on rainfall and soil type.

Refer to the CROP-SPECIFIC INFORMATION section for application timing and other crop-specific details.

FeXapan™ is readily absorbed by plants through shoot and root uptake, translocates throughout the plant's system, and accumulates in areas of active growth. FeXapan™ interferes with the plant's growth hormones (auxins) resulting in death of many broadleaf weeds.

[Optional label text: Do not add [Optional label text: surfactants, additives containing surfactants,] buffering agents or pH adjusting agents to the spray solution when FeXapan™ is the only pesticide being applied unless otherwise directed. See the MIXING section of this label for instructions regarding other additives.]

## RESTRICTIONS

**Maximum Application Rates:** The maximum application or use rates stated throughout this label are given in units of volume (fluid ounces or quarts) of this product per acre. However, the maximum allowed application rates apply to this product combined with the use of any and all other herbicides containing the active ingredients dicamba, whether applied separately or as a tank mixture, on a basis of total pounds of dicamba (acid equivalents) per acre. If more than one dicamba-containing product is applied to the same site within the same year, you must ensure that the total use of dicamba (pounds acid equivalents) does not exceed the maximum allowed. See the INGREDIENTS section of this label for necessary product information.

**Maximum seasonal use rate:** Refer to Table 2. Crop-Specific Restrictions for crop-specific maximum seasonal use rates. Do not exceed 88 fluid ounces of FeXapan™ (2 pounds acid equivalent) per acre, per year.

**Preharvest Interval (PHI):** Refer to the CROP-SPECIFIC INFORMATION section for preharvest intervals.

**Restricted Entry Interval (REI):** 24 hours

**Rainfast period:** Rainfall or irrigation occurring within 4 hours after postemergence applications may reduce the effectiveness of this product.

**Stress:** Do not apply to crops under stress due to lack of moisture, hail damage, flooding, herbicide injury, mechanical injury, insects, or widely fluctuating temperatures as injury may result.

Do not apply through any type of irrigation equipment. Do not treat irrigation ditches or water used for crop irrigation or domestic purposes.

## **WEED RESISTANCE MANAGEMENT**

Dicamba mimics auxin (a plant hormone) resulting in a hormone imbalance in susceptible plants that interferes with normal cell division, cell enlargement, and protein synthesis. Dicamba active ingredient is a Group 4 herbicide based on the mode of action classification system of the Weed Science Society of America. Any weed population can contain plants naturally resistant to Group 4 herbicides. Weed species resistant to Group 4 herbicides can be effectively managed utilizing another herbicide from a different Group, or by using other cultural or mechanical practices.

### **Weed Management Practices**

To minimize the occurrence of dicamba-resistant biotypes, observe the following weed management practices:

- Scout your fields before and after herbicide application.
- Start with a clean field, using either a burndown herbicide application or tillage.
- Control weeds early when they are relatively small (less than 4 inches).
- Incorporate other herbicides (e.g., a selective and/or a residual herbicide) and cultural practices (e.g., tillage or crop rotation) as part of your weed control system, where appropriate.
- Use the full specified herbicide rate and proper application timing for the hardest to control weed species present in the field. Avoid tank mixtures with other herbicides that reduce the efficacy of this product (through antagonism), or with ones that encourage application rates of this product below those specified on this label.
- Control weed escapes before they reproduce by seed or proliferate vegetatively.
- Clean equipment before moving from field to field to minimize the spread of weed seed or plant parts.
- Use new commercial seed that is as free of weed seed as possible.
- Use good agronomic principles that enhance crop development and crop competitiveness.
- Report any incidence of repeated non-performance of this product on a particular weed to your DuPont representative, local retailer, or county extension agent.

### **Management of Dicamba-Resistant Biotypes**

Appropriate testing is critical in order to determine if a weed is resistant to dicamba. Contact your DuPont representative to determine if resistance in any particular weed biotype has been confirmed in your area, or visit on the Internet [www.weedscience.org](http://www.weedscience.org).

Since the occurrence of new dicamba-resistant weeds cannot be determined until after product use and scientific confirmation, DuPont is not responsible for any losses that result from the failure of this product to control dicamba-resistant weed biotypes.

The following good agronomic practices can reduce the spread of confirmed dicamba-resistant biotypes:

- If a naturally occurring resistant biotype is present in your field, this product may be tank-mixed or applied sequentially with an appropriately labeled herbicide with a different mode of action to achieve control.
- Cultural and mechanical control practices (e.g., crop rotation or tillage) can also be used as appropriate.
- Scout treated fields after herbicide application and control weed escapes, including resistant biotypes, before they set seed.
- Thoroughly clean equipment before leaving fields known to contain resistant biotypes.

## **INTEGRATED PEST MANAGEMENT**

This product may be used as part of an Integrated Pest Management (IPM) program that can include biological, cultural, and genetic practices aimed at preventing economic pest damage. IPM principles and practices include field scouting or other detection methods, correct target pest identification, population monitoring, and treating when target pest populations reach locally determined action thresholds. Consult your state cooperative extension service, professional consultants or other qualified authorities to determine appropriate action treatment threshold levels for treating specific pest/crop systems in your area.



## APPLICATION INFORMATION

**Table 1. DuPont™ FeXapan™ Application Rates for Control or Suppression by Weed Type and Growth Stage**

Use rate limitations are given in the RESTRICTIONS AND CROP SPECIFIC INFORMATION sections.

| Weed Type and Stage         | Rate Per Acre        | Weed Type and Stage   | Rate Per Acre        |
|-----------------------------|----------------------|---|----------------------|
| <b>Annual<sup>1</sup></b>   |                      | <b>Perennial</b>  |                      |
| Small, actively growing     | 11 – 22 fluid ounces | Top growth suppression                                      | 11 – 22 fluid ounces |
| Established weed growth     | 22 – 33 fluid ounces | Top growth control and root suppression                     | 22 – 44 fluid ounces |
|                             |                      | Noted perennials (footnote 1 in Crop-specific information). | 44 fluid ounces      |
|                             |                      | Other perennials <sup>3</sup>                               | 44 fluid ounces      |
| <b>Biennial</b>             |                      | <b>Woody Brush &amp; Vines</b>                              |                      |
| Rosette diameter 1 – 3"     | 11 – 22 fluid ounces | Top growth suppression                                      | 22 – 44 fluid ounces |
| Rosette diameter 3" or more | 22 – 44 fluid ounces | Top growth control <sup>2,3</sup>                           | 44 fluid ounces      |
| Bolting                     | 44 fluid ounces      | Stems and stem suppression <sup>3</sup>                     | 44 fluid ounces      |

<sup>1</sup> Rates below 11 fluid ounces per acre may provide control or suppression but should typically be applied with other herbicides that are effective on the same species and biotype.

<sup>2</sup> Weed types noted in Table 1 will require tank mixes for adequate control.

<sup>3</sup> Do not broadcast apply more than 44 fluid ounces per acre in any single application. One sequential application of up to 44 fluid ounces may be required for adequate control. Use the higher level listed rate ranges when treating dense vegetative growth or perennial weeds with well established root growth.

## MIXING

### Compatibility Test for Mix Components

Before mixing components, always perform a compatibility jar test.

- For 20 gallons per acre spray volume, use 3.3 cups (800 mL) of water. For other spray volumes, adjust rates accordingly. Only use water from the intended source at the source temperature.
- Add components in the sequence indicated in the Mixing Order section below using 2 teaspoons for each pound or 1 teaspoon for each pint of labeled use rate per acre.
- Cap the jar and invert 10 cycles between component additions.
- When the components have all been added to the jar, let the solution stand for 15 minutes.
- Evaluate the solution for uniformity and stability. The spray solution should not have free oil on the surface; fine particles that precipitate to the bottom; or thick (clabbered) texture. If the spray solution is not compatible, repeat the compatibility test with the addition of a suitable compatibility agent. If the solution is then compatible, use the compatibility agent as directed on its label. If the solution is still incompatible, then do not mix the ingredients in the same tank.

### Mixing Order

1. Water - Begin by agitating a thoroughly clean sprayer tank three-quarters full of clean water.
2. Agitation - Maintain constant agitation throughout mixing and application.
3. Inductor - If an inductor is used, rinse it thoroughly after each component has been added.
4. Products in PVA bags - Place any product contained in water-soluble PVA bags into the mixing tank. Wait until all water-soluble PVA bags have fully dissolved and the product is evenly mixed in the spray tank before continuing.
5. Water-dispersible products (dry flowables, wettable powders, suspension concentrates, or suspo-emulsions)
6. Water-soluble products (such as FeXapan™)
7. Emulsifiable concentrates (such as oil concentrate when applicable)
8. Water-soluble additives (when applicable)
9. Remaining quantity of water.

Maintain constant agitation during application.

### Tank Mixtures

This product may be tank-mixed with other registered herbicides to provide longer residual weed control, a broader weed control spectrum or an alternate mode of action. Always read and follow label directions for all products in the tank mixture.

Some tank-mix products have the potential to cause crop injury under certain conditions, at certain growth stages and/or under other circumstances. Read the label for all products to be used in the tank mixture prior to use to determine the potential for crop injury.

Tank mixtures with other herbicides, insecticides, fungicides, miticides, additives, micronutrients or foliar fertilizers could result in reduced weed control, physical incompatibility or crop injury. DuPont has not tested all tank-mix product formulations for compatibility, antagonism or reduction in product performance. Unless prohibited by law, buyer and all users are solely responsible for any and all loss or damage in connection with the use or handling of mixtures of this product with herbicides or other materials that are not expressly specified on this label or in separate supplemental labeling or Fact Sheets published for this product.

Refer to the tank mix product labels to confirm that the respective tank mix products are registered for the specific crop use. Refer to all individual product labels, supplemental labeling and Fact Sheets for all products in the tank mixture, and observe all precautions and limitations on the label, including application timing restrictions, soil restrictions, minimum re-cropping intervals and rotational guidelines. Use according to the most restrictive precautionary statements for each product in the tank mixture. See the CROP-SPECIFIC INFORMATION section for more details.

Always predetermine the compatibility of all tank-mix products together in the carrier by mixing small proportional quantities in advance.

Apply this product or tank mixtures with this product at a minimum spray volume rate of 10 GPA.

Do not apply in tank mixtures with "Lorsban" insecticide.

**Table 2. Crop-Specific Restrictions<sup>1</sup>**

| Crop   | Maximum Rate Per Acre Per Application (fl oz) | Maximum In-Crop Rate Pre Acre Per Season (fl oz) | Livestock Grazing or Feeding |
|--|---|--|------------------------------|
| Asparagus  | 22  | 22   | Yes                          |
| Barley; Fall   | 11  | 16.5   | Yes                          |
| Barley; Spring   | 11  | 15   | Yes                          |
| Conservation Reserve Program (CRP)                               | 44  | 88   | Yes <sup>2</sup>             |
| Corn   | 22  | 33   | Yes                          |
| Cotton   | 11  | 11   | Yes                          |
| Fallow Ground  | 44  | 88   | Yes                          |
| Grass grown for seed   | 44  | 88   | Yes                          |
| Oats   | 5.5   | 5.5  | Yes                          |
| Pastureland  | 44  | 44   | Yes                          |
| Proso Millet   | 5.5   | 5.5  | Yes                          |
| Small grains grown for grass, forage, fodder, hay and/or pasture | 22  | 22   | Yes                          |
| Sorghum  | 11  | 22   | Yes                          |
| Soybean  | 44  | 44   | Yes                          |
| Sugarcane  | 44  | 88   | Yes                          |
| Triticale  | 5.5   | 5.5  | Yes                          |
| Sod farms and farmstead turf                                     | 44  | 44   | Yes                          |
| Wheat  | 11  | 22   | Yes                          |

<sup>1</sup> Refer to CROP-SPECIFIC INFORMATION for more details.

<sup>2</sup> Once the crop reaches the ensilage (milk) stage or later in maturity.

## CROP-SPECIFIC INFORMATION

### ASPARAGUS

Apply DuPont™ FeXapan™ to emerged and actively growing weeds in 40 - 60 gallons of diluted spray per treated acre immediately after cutting the field, but at least 24 hours before the next cutting. Multiple applications may be made per growing season (not to exceed the maximum yearly application rate).

If spray contacts emerged spears, crooking (twisting) of some spears may result. If such crooking occurs, discard affected spears.

Rates: Apply 11-22 fluid ounces of FeXapan™ to control annual sowthistle, black mustard, Canada and Russian thistle, and redroot pigweed (carelessweed).

Apply 22 fluid ounces of FeXapan™ to control common chickweed, field bindweed, nettleleaf goosefoot, and wild radish. Up to 2 applications may be made per growing season. Do not exceed a total of 22 fluid ounces of FeXapan™ per treated acre, per crop year.

Do not harvest prior to 24 hours after treatment.

Do not use in the Coachella Valley of California.

### **Asparagus Tank Mixes**

Apply 11-22 fluid ounces of DuPont™ FeXapan™ with glyphosate or 2,4-D to improve control of Canada thistle and field bindweed.

### **BETWEEN CROP APPLICATIONS**

#### **Preplant Directions (Postharvest, Fallow, Crop Stubble, Set-Aside) for Broadleaf Weed Control:**

FeXapan™ can be applied either postharvest in the fall, spring, or summer during the fallow period or to crop stubble/set-aside acres. Apply FeXapan™ as a broadcast or spot treatment to emerged and actively growing weeds after crop harvest (postharvest) and before a killing frost or in the fallow cropland or crop stubble the following spring or summer.

See the RESTRICTIONS section for the specified interval between application and planting to prevent crop injury.

#### **Rates and Timings:**

Apply 5.5 – 44 fluid ounces of FeXapan™ per acre. Refer to Table 1 to determine use rates for specific targeted weed types. For best performance, apply FeXapan™ when annual weeds are less than 4" tall, when biennial weeds are in the rosette stage and to perennial weed regrowth in late summer or fall following a mowing or tillage treatment. The most effective control of upright perennial broadleaf weeds listed on this label such as Canada thistle and Jerusalem artichoke occurs if FeXapan™ is applied when the majority of weeds have at least 4 - 6" of regrowth or for weeds listed in this label such as field bindweed and hedge bindweed that are in or beyond the full bloom stage.

Avoid disturbing treated areas following application. Treatments may not kill weeds that develop from seed or underground plant parts such as rhizomes or bulblets, after the effective period for FeXapan™. For seedling control, a follow-up program or other cultural practices could be instituted. For small grain in-crop uses of FeXapan™, refer to the small grain section for details.

#### **Between Crop Tank Mixes**

In tank mixes with one or more of the following herbicides, apply 5.5 - 22 fluid ounces of FeXapan™ per acre for control of annual weeds, or 22 - 44 fluid ounces of FeXapan™ per acre for control of biennial and perennial weeds:

DuPont™ ALLY® XP  
"Amber"  
Atrazine  
"Curtail"  
"Cyclone"  
"Fallow Master"  
DuPont™ FINESSE®  
glyphosate

"Gramoxone"  
"Kerb"  
"Landmaster" BW  
"Paramount"  
"Sencor"  
"Tordon" 22K  
"Touchdown"  
2,4-D

### **CORN (FIELD, POP, SEED, AND SILAGE)**

FeXapan™ is not registered for use on sweet corn.

Direct contact of FeXapan™ with corn seed must be avoided. If corn seeds are less than 1.5" inches below the surface, delay application until corn has emerged.

Applications of FeXapan™ to corn during periods of rapid growth may result in temporary leaning. Corn will usually become erect within 3 to 7 days. Cultivation should be delayed until after corn is growing normally to avoid breakage.

Corn may be harvested or grazed for feed once the crop has reached the ensilage (milk) stage or later in maturity.

Up to 2 applications of FeXapan™ may be made during a growing season not to exceed 33 fluid ounces per acre per season. Sequential applications must be separated by 2 weeks or more.

Do not apply FeXapan™ to seed corn or popcorn without first verifying with your local seed corn company (supplier) the selectivity of FeXapan™ on your inbred line or variety of popcorn. This precaution will help avoid potential injury of sensitive varieties.

Avoid using crop oil concentrates after crop emergence as crop injury may result. Use crop oil concentrates only in dry conditions when corn is less than 5" tall and when applying FeXapan™ alone or tank mixed with atrazine.

Use of sprayable fluid fertilizer as the carrier is not recommended for applications of FeXapan™ made after corn emergence.

### **Preplant and Preemergence Application in No-Tillage Corn:**

**Rates:** Apply 22 fluid ounces of DuPont™ FeXapan™ per acre on medium- or fine-textured soils containing 2.5% or greater organic matter. Use 11 fluid ounces per acre on coarse soils (sand, loamy sand, and sandy loam) or medium- and fine-textured soils with less than 2.5% organic matter.

**Timing:** FeXapan™ can be applied to emerging weeds before, during, or after planting a corn crop. When planting into a legume sod (e.g., alfalfa or clover), apply FeXapan™ after 4 - 6" of regrowth has occurred.

### **Preemergence Application in Conventional or Reduced Tillage Corn:**

**Rates:** Apply 22 fluid ounces of FeXapan™ per treated acre on medium- or fine-textured soils containing 2.5% organic matter or more. Do not apply to coarse textured soils (sand, loamy sand, or sandy loam) of any soil with less than 2.5% organic matter until after corn emergence (See Early Postemergence uses below).

**Timing:** FeXapan™ may be applied after planting and prior to corn emergence. Pre-emergence application of FeXapan™ does not require mechanical incorporation to become active. A shallow mechanical incorporation is recommended if application is not followed by adequate rainfall or sprinkler irrigation. Avoid tillage equipment (e.g., drags, harrows) which concentrates treated soil over seed furrow as seed damage could result.

Preemergence control of cocklebur, jimsonweed, and velvetleaf may be reduced if conditions such as low temperature or lack of soil moisture cause delayed or deep germination of weeds.

### **Early Postemergence Application in All Tillage Systems:**

**Rates:** Apply 22 fluid ounces of FeXapan™ per treated acre. Reduce the rate to 11 fluid ounces per treated acre if corn is growing on coarse textured soils (sand, loamy sand, and sandy loam).

**Timing:** Apply between corn emergence and the 5-leaf stage or 8" tall, whichever occurs first. Refer to Late Postemergence Applications if the sixth true leaf is emerging from whorl or corn is greater than 8" tall.

### **Late Postemergence Application:**

**Rate:** Apply 11 fluid ounces of FeXapan™ per treated acre.

**Timing:** Apply FeXapan™ from 8 - 36" tall corn or 15 days before tassel emergence, whichever comes first. For best performance, apply when weeds are less than 3" tall.

Apply directed spray when corn leaves prevent proper spray coverage, sensitive crops are growing nearby, or tank mixing with 2,4-D. Do not apply FeXapan™ when soybeans are growing nearby if any of these conditions exist:

- corn is more than 24" tall
- soybeans are more than 10" tall
- soybeans have begun to bloom

### **Corn Tank Mixes Or Sequential Uses**

When using tank mix or sequential applications with FeXapan™, always follow the companion product label to determine specific use rates by soil types, weed species, and weed or crop growth stage. In addition, follow precautions and restrictions including state and local use restrictions that may apply to specific products.

Apply FeXapan™ prior to, in tank mix with, or after one or more of the following herbicide brands:

DuPont™ ACCENT®  
Atrazine  
"Axiom"  
"Banvel"<sup>1</sup>  
DuPont™ BASIS® Blend  
"Beacon"<sup>1</sup>  
"Bicep"  
DuPont™ BREAKFREE® NXT  
"Bullet"  
DuPont™ CINCH®  
"Degree"  
"Degree Xtra"  
"Dual"  
"Exceed"<sup>1</sup>  
"FullTime"  
glyphosate<sup>3</sup>  
"Gramoxone" Inteon  
"Guardzman"  
"Harness"

"Hornet"<sup>1</sup>  
"Laddok"  
"Lasso"  
DuPont™ LEADOFF®  
"Liberty"<sup>2</sup>  
"Lightning"<sup>4</sup>  
"Outlook"  
"Permit"  
"Princep"  
"Prowl"  
"Python"  
DuPont™ RESOLVE®  
"Spirit"  
"Stinger"<sup>1</sup>  
"Surpass"  
"TopNotch"  
"Touchdown"  
2,4-D<sup>1</sup>

<sup>1</sup> See Table 3. Specific Guidelines for Tank Mixes or Sequential Use Programs for additional limitations or restrictions that apply for tank mix or sequential use programs with these products.

<sup>2</sup> Use only on "Liberty Link" (glufosinate tolerant) corn hybrids.

<sup>3</sup> Includes postemergence use on "Roundup Ready" (glyphosate tolerant) corn hybrids.

<sup>4</sup> Use only "Clearfield" (imidazolinone tolerant) corn hybrids.

**Table 3. Specific Guidelines for Tank Mixes or Sequential Use Programs**

| <b>Tank Mix Partner</b>   | <b>Rate Per Acre</b>   |
|---|--|
| ACCENT® or "Beacon"   | When tank mixing, applications immediately following extreme day or night temperature fluctuations or applications when daytime temperatures do not exceed 50° F may result in decreased weed control or crop injury. Delay application until the temperatures warm and both weeds and crop resume normal growth.  |
| 2,4-D   | To provide maximum crop safety after corn emergence, use this tank mix only after corn is greater than 8" tall and when application can be made with drop pipes that direct spray beneath corn leaves and away from the whorl of the corn. The maximum rate of 2,4-D in this tank mix is 0.25 pints per acre (0.125 pounds of acid equivalent per acre).                                       |
| "Exceed",<br>"Spirit",<br>"Stinger",<br>"Homet", or<br>"Permit" | For improved control of velvetleaf, tank mix 0.25-0.5 ounce of "Exceed", 0.5 ounce of "Spirit", or 0.17-0.33 ounce "Permit" per acre with DuPont™ FeXapan™. For improved control of Canada thistle, "Stinger" at 1.5-3 fluid ounces per acre or "Hornet" at 0.6-1.2 ounces per acre may be tank mixed with FeXapan™. Use the higher rate in the range for heavier infestations of these weeds. |

## COTTON

### Preplant Application:

Apply up to 11 fluid ounces of FeXapan™ per acre to control emerged broadleaf weeds prior to planting cotton in conventional or conservation tillage systems.

For best performance, apply FeXapan™ when weeds are in the 2 - 4 leaf stage and rosettes are less than 2" across.

Following application of FeXapan™ and a minimum accumulation of 1" of rainfall or overhead irrigation, a waiting interval of 21 days is required per 11 fluid ounces per acre or less. These intervals must be observed prior to planting cotton.

Do not apply preplant to cotton west of the Rockies.

Do not make FeXapan™ preplant applications to cotton in geographic areas with average annual rainfall less than 25".

If applying a spring preplant treatment following application of a fall preplant (postharvest) treatment, then the combination of both treatments may not exceed 2 pounds acid equivalent per acre.

### Cotton Tank Mixes

For control of grasses or additional broadleaf weeds, FeXapan™ may be tank mixed with "Caparol", "Gramoxone" Inteon and glyphosate.

## GRASS GROWN FOR SEED

Apply 11 - 22 fluid ounces of FeXapan™ per treated acre on seedling grass after the crop reaches the 3 - 5 leaf stage.

Apply up to 44 fluid ounces of FeXapan™ on well-established perennial grass. For best performance, apply FeXapan™ when weeds are in the 2 - 4 leaf stage and rosettes are less than 2" across. Use the higher level of listed rate ranges when treating more mature weeds or dense vegetative growth.

To suppress annual grasses such as brome (downy and rigput), rattail fescue, and windgrass, apply up to 44 fluid ounces of FeXapan™ per treated acre in the fall or late summer after harvest and burning of established grass seed crops.

Applications should be made immediately following the first irrigation when the soil is moist and before weeds have more than 2 leaves.

Do not apply FeXapan™ after the grass seed crop begins to joint.

Refer to the Pasture, Hay, Rangeland, and General Farmstead section for grazing and feeding restrictions.

### Grass Seed Tank Mixes

FeXapan™ may be applied in tank mixes with one or more of the following herbicide brands:

"Buctril"

"Curtail"

DuPont™ EXPRESS®

"Karmex"

MCPA amine

"Stinger"

2,4-D amine or ester

## PROSO MILLET

For use only within Colorado, Nebraska, North Dakota, South Dakota, and Wyoming.

FeXapan™ combined with 2,4-D will provide control or suppression of the annual broadleaf weeds listed in WEEDS CONTROLLED section.

Apply 5.5 fluid ounces of FeXapan™ with 0.375 pounds a.i. of 2,4-D. Apply the tank mix of FeXapan™ + 2,4-D as a broadcast or spot treatment to emerged and actively growing weeds and when proso millet is in the 2 - 5 leaf stage. Use directions for 2,4-D products vary with manufacturers. Refer to a 2,4-D product with labeling consistent with the crop stage

timing for DuPont™ FeXapan™. Some types of proso millet may be affected adversely by a tank mix of FeXapan™ + 2,4-D.

Do not apply unless possible proso millet crop injury will be acceptable.

Restrictions for proso millet that is grazed or cut for hay are indicated in Table 4 in the Pasture, Hay, Rangeland, and General Farmstead section of this label.

**PASTURE, HAY, RANGELAND, AND GENERAL FARMSTEAD (NONCROPLAND) AND SMALL GRAINS (FORAGE SORGHUM, RYE, SUDANGRASS, OR WHEAT) GROWN FOR PASTURE, HAY, AND SILAGE ONLY**

FeXapan™ is registered for use on pasture, hay, rangeland, and general farmstead (non-cropland) (including fencerows and non-irrigation ditchbanks) for control or suppression of broadleaf weed and brush species listed in the WEEDS CONTROLLED section. FeXapan™ uses described in this section also pertain to grasses and small grains (forage sorghum, rye, sudangrass, or wheat) grown for grass, forage, fodder, hay and/or pasture use only. (Grasses and small grains not grown ONLY for grass, forage, fodder, hay and/or pasture must comply with crop-specific uses in this label.)

FeXapan™ may also be applied to non-cropland areas to control broadleaf weeds in noxious weed control programs, districts, or areas including broadcast or spot treatment of roadsides and highways, utilities, railroad, and pipeline rights-of-way. Noxious weeds must be recognized at the state level, but programs may be administered at state, county, or other level.

Some perennial weeds may be controlled with lower rates of either FeXapan™ or FeXapan™ plus 2,4-D (refer to Table 1).

**Rates and Timings**

Refer to Table 1 for rate selection based on targeted weed or brush species. Some weed species will require tank mixes for adequate control.

Rates above 44 fluid ounces of FeXapan™ per acre are for spot treatments only. Spot treatment is defined as no more than a total of 1000 square feet of treated area per acre. Do not broadcast apply more than 44 fluid ounces per acre.

Retreatments may be made as needed; however, do not exceed a total of 44 fluid ounces of FeXapan™ per treated acre during a growing season.

Grass grown for hay requires a 7-day wait period between application and harvest. Sorghum requires a 20 day waiting interval for forage and a 30 day waiting interval for fodder.

**Crop-Specific Restrictions**

Do not apply more than 22 fluid ounces of FeXapan™ per acre to small grains grown for pasture.

Newly seeded areas may be severely injured if more than 22 fluid ounces of FeXapan™ is applied per acre.

Established grass crops growing under stress can exhibit various injury symptoms that may be more pronounced if herbicides are applied. Bentgrass, carpetgrass, buffalograss, and St. Augustingrass may be injured if more than 22 fluid ounces of FeXapan™ is applied per acre. Usually colonial bentgrasses are more tolerant than creeping types. Velvetgrasses are most easily injured. Treatments will kill or injure alfalfa, clovers, lespedeza, wild winter peas, vetch, and other legumes.

Table 4 lists the timing restrictions for grazing or harvesting hay from treated fields. There are no grazing restrictions for animals other than lactating dairy animals.

**Table 4. Timing Restrictions for Lactating Dairy Animals Following Treatment**

| FeXapan™ Rate per Treated Acre<br>(fluid ounces) | Days Before Grazing (days) | Days Before Hay Harvest (days) |
|--|----------------------------|--------------------------------|
| Up to 22   | 7                          | 37                             |
| Up to 44   | 21                         | 51                             |
| Up to 88 (for spot treatment only).              | 40                         | 70                             |

- **Spot Treatments:** FeXapan™ may be applied to individual clumps or small areas of undesirable vegetation using handgun or similar types of application equipment. Apply diluted sprays to allow complete wetting (up to runoff) of foliage and stems.

**Cut Surface Treatments:**

FeXapan™ may be applied as a cut surface treatment for control of unwanted trees and prevention of sprouts of cut trees.

**Rate:** Mix 1 part FeXapan™ with 1 - 3 parts water to create the application solution. Use the lower dilution rate when treating difficult-to-control species.

- **For Frill or Girdle Treatments:** Make a continuous cut or a series of overlapping cuts using an axe to girdle tree trunk. Spray or paint the cut surface with the solution.
- **For Stump Treatments:** Spray or paint freshly cut surface with the water mix. The area adjacent to the bark should be thoroughly wet.

**Note:** For more rapid foliar effects, 2,4-D may be added to the solution.

### **Applications For Control of Dormant Multiflora Rose:**

DuPont™ FeXapan™ can be applied when plants are dormant as an undiluted spot treatment directly to the soil or as a Lo-Oil basal bark treatment using an oil-water emulsion solution.

- **Spot treatments:** Spot treatment applications of FeXapan™ should be applied directly to the soil as close as possible to the root crown but within 6 - 8" of the crown. On sloping terrain, apply FeXapan™ to the uphill side of the crown. Do not apply when snow or water prevents applying FeXapan™ directly to the soil. The use rate of FeXapan™ depends on the canopy diameter of the multiflora rose.

Examples: Use 0.34, 1.38, or 3.23 fluid ounces of FeXapan™ respectively, for 5, 10, or 15 feet canopy diameters.

- **Lo-Oil basal bark treatments:** For Lo-Oil basal bark treatments, apply FeXapan™ to the basal stem region from the ground line to a height of 12 - 18". Spray until runoff, with special emphasis on covering the root crown. For best results, apply FeXapan™ when plants are dormant. Do not apply after bud break or when plants are showing signs of active growth. Do not apply when snow or water prevents applying FeXapan™ to the ground line.

To prepare approximately 2 gallons of a Lo-Oil spray solution:

- 1) Combine 1.5 gallons of water, 1 ounce of emulsifier, 22 fluid ounces of FeXapan™, and 2.5 pints of No. 2 diesel fuel.
- 2) Adjust the amounts of materials used proportionately to the amount of final spray solution desired.

Do not exceed 8 gallons of spray solution mix applied per acre, per year.

### **Pasture Tank Mixes**

FeXapan™ may be applied in tank mixes with one or more of the following herbicide brands:

|                    |                    |
|--------------------|--------------------|
| "Amber"            | glyphosate         |
| DuPont™ CIMARRON®  | "Gramoxone" Inteon |
| "Crossbow"         | "Stinger"          |
| "Curtail"          | "Tordon" 22K       |
| DuPont™ ESCORT® XP | 2,4-D              |
| "Garlon"           |                    |

### **CONSERVATION RESERVE PROGRAM (CRP)**

FeXapan™ is registered for use on both newly seeded and established grasses grown in Conservation Reserve or federal Set-Aside Programs. Treatments of FeXapan™ will injure or may kill alfalfa, clovers, lespedeza, wild winter peas, vetch, and other legumes.

### **Newly Seeded Areas**

FeXapan™ may be applied either preplant or postemergence to newly seeded grasses or small grains (barley, oats, rye, sudangrass, wheat, or other grain species grown as a cover crop). Postemergence applications may be made after seedling grasses exceed the 3-leaf stage. Rates of FeXapan™ greater than 22 fluid ounces per treated acre may severely injure newly seeded grasses.

Preplant applications may injure new seedlings if the interval between application and grass planting is less than 45 days per 22 fluid ounces of FeXapan™ applied per treated acre west of the Mississippi River or 20 days per 22 fluid ounces applied east of the Mississippi River.

### **Established Grass Stands**

Established grass stands are perennial grasses planted one or more seasons prior to treatment. Certain species (bentgrass, carpetgrass, smooth brome, buffalograss, or St. Augustinegrass) may be injured when treated with more than 22 fluid ounces of FeXapan™ per treated acre.

When applied at specified rates, FeXapan™ will control many annual and biennial weeds and provide control or suppression of many perennial weeds.

### **Rates and Timings**

Apply 5.5 - 44 fluid ounces of FeXapan™ per acre. Refer to Table 1 for rates based on target weed species. FeXapan™ may be tank mixed or applied sequentially with other products labeled for use in Conservation Reserve Programs such as atrazine, "Cyclone", glyphosate, "Gramoxone" Inteon, or 2,4-D. Retreatments may be made as needed; however, do not exceed a total of 88 fluid ounces (5.5 pints) of FeXapan™ per acre per year.

### **SMALL GRAINS NOT UNDERSEED TO LEGUMES (FALL- AND SPRING-SEEDED BARLEY, OAT, TRITICALE AND WHEAT)**

FeXapan™ combinations with listed tank mix partners will provide control or suppression of the annual broadleaf weeds listed in the WEEDS CONTROLLED section. For improved control of listed weeds, tank mix FeXapan™ with one or more of the herbicides listed.

FeXapan™ used in a tank mix with other herbicides offers the best spectrum of weed control and herbicide tolerant or resistant weed management. Refer to the specific section crop for FeXapan™ application rate and timing.

For applications prior to weed emergence or when sulfonyleurea-resistant weeds are present or suspected, tank mix a minimum of 4.12 fluid ounces of DuPont™ FeXapan™ per treated acre with a non-sulfonyleurea herbicide such as 2,4-D or MCPA. Tank mixing FeXapan™ with these products will offer more consistent control of sulfonyleurea-resistant weeds.

**Additives:** When tank mixing FeXapan™ with sulfonyleurea herbicide brands (DuPont™ ALLY®, “Amber”, DuPont™ EXPRESS®, DuPont™ FINESSE®, DuPont™ GLEAN®, DuPont™ HARMONY® and “Peak”), use an agriculturally approved surfactant as indicated in the Surfactants and Adjuvants section of this label.

Refer to the specific crop sections below for use rates. When treating difficult to control weeds such as kochia, wild buckwheat, cow cockle, prostrate knotweed, Russian thistle, and prickly lettuce or when dense vegetative growth occurs, use the 4.12 – 5.5 fluid ounces of FeXapan™ per acre.

**Timings:** Apply FeXapan™ before, during, or after planting small grains. See specific small grain crop uses below for maximum crop stage. For best performance, apply FeXapan™ when weeds are in the 2 - 3 leaf stage and rosettes are less than 2" across. Applying FeXapan™ to small grains during periods of rapid growth may result in crop leaning. This condition is temporary and will not reduce crop yields.

Restrictions for small grain areas that are grazed or cut for hay are indicated in Table 4 in Pasture, Hay, Rangeland, and General Farmstead section of this label.

#### **SMALL GRAINS: BARLEY (FALL- AND SPRING-SEEDED)**

##### **Early season applications:**

Apply 2.75 – 5.5 fluid ounces of FeXapan™ to fall-seeded barley prior to the jointing stage. Apply 2.75 – 4.12 fluid ounces of FeXapan™ before spring-seeded barley exceeds the 4-leaf stage.

Note: For spring barley varieties that are seeded during the winter months or later, follow the rates and timings given for spring-seeded barley.

Do not tank mix FeXapan™ with 2,4-D in early season applications on spring-seeded barley.

##### **Preharvest applications:**

FeXapan™ can be used to control weeds that may interfere with harvest of fall and spring-seeded barley. Apply 11 fluid ounces of FeXapan™ per acre as a broadcast or spot treatment to annual broadleaf weeds when barley is in the hard dough stage and the green color is gone from the nodes (joints) of the stem. Best results will be obtained if application can be made when weeds are actively growing, but before weeds canopy.

A waiting interval of 7 days is required before harvest. Do not use preharvest-treated barley for seed unless a germination test is performed on the seed with an acceptable result of 95% germination or better.

For control of additional broadleaf weeds or grasses, FeXapan™ may be tank mixed with other herbicides, such as 2,4-D, that are labeled for preharvest uses in barley.

Do not make preharvest applications in California.

##### **Barley Tank Mixes**

**Table 5.**

| <b>Tank Mix Partner*</b>            | <b>Rate Per Acre</b>  |
|-------------------------------------|---|
| DuPont™ ALLY® XP                    | 0.05 - 0.1 ounce <sup>1</sup>                                 |
| “Amber”                             | 0.14 - 0.28 ounce <sup>1</sup>                                |
| “Bronate”                           | 0.75 - 1.5 pints  |
| “Buctril”                           | 1 - 1.5 pints   |
| DuPont™ EXPRESS®                    | 0.083 - 0.167 ounce <sup>1</sup>                              |
| DuPont™ FINESSE®                    | 0.167 - 0.33 ounce <sup>1</sup>                               |
| DuPont™ GLEAN®                      | 0.167 ounce <sup>1</sup>                                      |
| DuPont™ HARMONY® Extra              | 0.167 - 0.33 ounce <sup>1</sup>                               |
| MCPA amine or ester                 | 8 - 12 fluid ounces <sup>2</sup><br>(0.25 - 0.375 pound a.e.) |
| Metribuzin (“Sencor”)               | 0.125 - 0.47 pound a.i.                                       |
| 2,4-D amine or ester <sup>2,3</sup> | 8 fluid ounces<br>(0.25 pound a.e.)                           |

\* Follow all tank mix partners' labeling for use rates, precautions and restrictions.

<sup>1</sup> Do not use low rates of sulfonyleureas (Ally, Amber, Express, Finesse, Glean, and Harmony Extra) on more mature weeds or on dense vegetative growth.

<sup>2</sup> When using formulations other than 4 pounds per gallon use pounds of a.e. per acre listed.

<sup>3</sup> This tank mix is for fall-seeded barley only



## **SMALL GRAINS: OATS (FALL- AND SPRING-SEEDED)**

### **Early season applications:**

Apply 2.75 – 5.5 fluid ounces of DuPont™ FeXapan™ per acre to fall-seeded oat prior to the jointing stage. Apply 2.75 – 5.5 fluid ounces of FeXapan™ before spring-seeded oat exceed the 5-leaf stage.

A waiting interval of 7 days is required before harvest.

FeXapan™ may be tank mixed with MCPA amine or ester for applications in oat.

Do not tank mix FeXapan™ with 2,4-D in oat.

## **SMALL GRAINS: TRITICALE (FALL- AND SPRING-SEEDED)**

### **Early season applications:**

Apply 2.75 – 5.5 fluid ounces of FeXapan™ to triticale.

Early season applications to fall-seeded triticale must be made prior to the jointing stage.

Early season applications to spring-seeded triticale must be made before triticale reaches the 6-leaf stage.

### **Triticale Tank Mixes:**

For best performance, FeXapan™ should be used in tank mix combination with bromoxynil herbicide.

## **SMALL GRAINS: WHEAT (FALL- AND SPRING-SEEDED)**

### **Early Season Applications:**

Apply 2.75 – 5.5 fluid ounces of FeXapan™ to wheat unless using one of the fall-seeded wheat specific programs below.

Early season applications to fall-seeded wheat must be made prior to the jointing stage.

Early season applications to spring-seeded wheat must be made before wheat exceeds the 6-leaf stage.

Early developing wheat varieties such as TAM 107, Madison, or Wakefield must receive application between early tillering and the jointing stage. Care should be taken in staging these varieties to be certain that the application occurs prior to the jointing stage.

To improve control of Russian thistle, flaxweed, groomwell, or mayweed, add 2,4-D amine or ester to a tank mix with one of the following herbicide brands: DuPont™ ALLY®, “Amber”, DuPont™ EXPRESS®, DuPont™ FINESSE®, DuPont™ GLEAN®, DuPont™ HARMONY®, or “Peak”.

### **Specific use programs for fall-seeded wheat only:**

FeXapan™ may be used at 8.25 fluid ounces on fall-seeded wheat in Western Oregon as a spring application only. In Colorado, Kansas, New Mexico, Oklahoma, and Texas, up to 11 fluid ounces of FeXapan™ may be applied on fall-seeded wheat after it exceeds the 3-leaf stage for suppression of perennial weeds, such as field bindweed. Applications may be made in the fall following a frost but before a killing freeze. FeXapan™ may be tank mixed with 2,4-D amine at 11 fluid ounces after wheat begins to tiller. Periods of extended stress such as cold and wet weather may enhance the possibility of crop injury. For fall applications only, do not use if the potential for crop injury is not acceptable.

### **Preharvest applications:**

FeXapan™ can be used to control weeds that may interfere with harvest of wheat. Apply 11 fluid ounces FeXapan™ per acre as a broadcast or spot treatment to annual broadleaf weeds when wheat is in the hard dough stage and the green color is gone from the nodes (joints) of the stem. Best results will be obtained if application can be made when weeds are actively growing but before weeds canopy.

A waiting interval of 7 days is required before harvest. Do not use preharvest-treated wheat for seed unless a germination test is performed on the seed with an acceptable result of 95% germination or better.

For control of additional broadleaf weeds or grasses, FeXapan™ herbicide may be tank mixed with other herbicides such as ALLY®, glyphosate and 2,4-D. Do not make preharvest applications in California.

## Wheat Tank Mixes

Table 6.

| Tank Mix Partner*                  | Rate Per Acre                                    |
|------------------------------------|--|
| ALLY® XP                           | 0.05 - 0.1 ounce <sup>1</sup>                    |
| "Amber"                            | 0.14 - 0.28 ounce <sup>1</sup>                   |
| "Bronate"                          | 0.75 - 1.5 pints                                 |
| "Buctril"                          | 1 - 1.5 pints                                    |
| "Curtail"                          | 2 - 2.67 pints                                   |
| "Dakota"                           | 16 fluid ounces                                  |
| EXPRESS®                           | 0.083 - 0.167 ounce <sup>1</sup>                 |
| FINESSE®                           | 0.167 - 0.33 ounce <sup>1</sup>                  |
| GLEAN®                             | 0.167 ounce <sup>1</sup>                         |
| HARMONY®                           | 0.167 - 0.33 ounce <sup>1</sup>                  |
| "Karmex" <sup>3</sup>              | 0.5 - 1.5 pounds                                 |
| Glyphosate <sup>4</sup>            | 12 - 16 fluid ounces                             |
| MCPA amine or ester <sup>5</sup>   | 8 - 12 fluid ounces<br>(0.25 - 0.375 pound a.e.) |
| Metribuzin <sup>3</sup> ("Sencor") | 0.25 - 0.375 pound a.i.                          |
| "Peak" <sup>1</sup>                | 0.25 - 0.38 ounce                                |
| "Stinger"                          | 4 - 5.33 fluid ounces                            |
| "Tiller" <sup>2</sup>              | 1 - 1.7 pints                                    |
| 2,4-D amine or ester <sup>5</sup>  | 8 - 12 fluid ounces<br>(0.25 - 0.375 pound a.e.) |

\* Follow all tank mix partners' labeling for use rates, precautions and restrictions.

<sup>1</sup> Do not use low rates of sulfonylurea herbicides, such as ALLY®, "Amber", EXPRESS®, FINESSE®, GLEAN®, HARMONY®, and "Peak" on more mature weeds or on dense vegetative growth.

<sup>2</sup> Do not use DuPont™ FeXapan™ as a tank mix treatment with "Dakota" or "Tiller" on Durum wheat. Do not tank mix with "Tiller" if wild oat is the target weed.

<sup>3</sup> Tank mixes with "Karmex" and metribuzin are for use in fall-seeded wheat only.

<sup>4</sup> A tank mix of up to 5.5 fluid ounces of DuPont™ FeXapan™ with any glyphosate formulation labeled for use as a preplant application to small grains may be applied with no waiting period prior to planting.

<sup>5</sup> Up to 44 fluid ounces of (1.0 pound a.e.) may be used on fall-seeded wheat if crop injury is acceptable. When using formulations other than 4 pounds per gallon, use the pounds of a.e. per acre listed.

## SORGHUM

FeXapan™ may be applied preplant, postemergence, or preharvest in sorghum to control many annual broadleaf weeds and to reduce competition from established perennial broadleaf weeds, as well as control their seedlings.

A waiting interval of 20 days is required for sorghum forage, and a waiting interval of 30 days is required for sorghum fodder. If sorghum is grown for pasture or hay, refer to Pasture, Hay, Rangeland, and General Farmstead section of this label for specific grazing and feeding restrictions.

Do not apply FeXapan™ to sorghum grown for seed production.

### Preplant Application:

Up to 11 fluid ounces of FeXapan™ may be applied per acre if applied at least 15 days before sorghum planting.

### Postemergence Application:

Up to 11 fluid ounces of FeXapan™ per acre may be applied after sorghum is in the spike stage (all sorghum emerged) but before sorghum is 15" tall. For best performance, apply FeXapan™ when the sorghum crop is in the 3 - 5 leaf stage and weeds are small (less than 3" tall). Use drop pipes (drop nozzles) if sorghum is taller than 8". Keep the spray off the sorghum leaves and out of the whorl to reduce the likelihood of crop injury and to improve spray coverage of weed foliage. Applying FeXapan™ to sorghum during periods of rapid growth may result in temporary leaning of plants or rolling of leaves. These effects are usually outgrown within 10 - 14 days. Delay harvest until 30 days after treatment.

**Preharvest uses in Texas and Oklahoma only:** Up to 11 fluid ounces of FeXapan™ per acre may be applied for weed suppression any time after the sorghum has reached the soft dough stage. An EPA approved agricultural surfactant may be used to improve performance. Delay harvest until 30 days after a preharvest treatment.

### Split Application:

FeXapan™ may be applied in split applications: preplant followed by postemergence or preharvest; or postemergence followed by preharvest. Do not exceed 11 fluid ounces per acre, per application or a total of 22 ounces per acre, per season.

### Sorghum Tank Mixes and Sequential Treatments

FeXapan™ may be applied prior to, in a tank mix with, or after one or more of the following herbicide brands:

Atrazine  
"Basagran"  
"Bicep"  
"Buctril"  
DuPont™ CINCH®  
"Cyclone"  
"Dual"  
"Fallow Master"  
glyphosate  
"Gramoxone" Inteon  
"Guardsman"

"Laddok"  
"Landmaster"  
"Outlook"  
"Paramount"  
"Peak"  
"Permit"  
"Roundup"

## **SOYBEAN**

### **Preplant Applications:**

Apply 5.5 - 22 fluid ounces of DuPont™ FeXapan™ per acre to control emerged broadleaf weeds prior to planting soybeans. Do not exceed 22 fluid ounces of FeXapan™ per acre in a spring application prior to planting soybeans.

Following application of FeXapan™ and a minimum accumulation of 1" rainfall or overhead irrigation, a waiting interval of 14 days is required for 11 fluid ounces per acre or less, and 28 days for 22 fluid ounces per acre. These intervals must be observed prior to planting soybeans or crop injury may occur.

Do not make FeXapan™ preplant applications to soybeans in geographic areas with average annual rainfall less than 25".

### **Preharvest Applications:**

FeXapan™ can be used to control many annual and perennial broadleaf weeds and control or suppress many biennial and perennial broadleaf weeds in soybean prior to harvest. Apply 11 - 44 fluid ounces of FeXapan™ per acre as a broadcast or spot treatment to emerged and actively growing weeds after soybean pods have reached mature brown color and at least 75% leaf drop has occurred.

Do not harvest soybeans until 7 days after application.

Treatments may not kill weeds that develop from seed or underground plant parts, such as rhizomes or bulblets, after the effective period for FeXapan™. For seedling control, a follow-up program or other cultural practice could be instituted.

Do not use preharvest-treated soybean for seed unless a germination test is performed on the seed with an acceptable result of 95% germination or better.

Do not feed soybean fodder or hay following a preharvest application of FeXapan™.

Do not make preharvest applications in California.

### **Soybean Tank Mixes**

#### **Preplant Tank Mixes:**

FeXapan™ may be tank mixed with other herbicides registered for early preplant use in soybeans including burndown herbicides such as glyphosate and 2,4-D or residual herbicides brands such as DuPont™ CINCH®, "Outlook", or "Dual".

#### **Preharvest Tank Mixes:**

FeXapan™ may be tank mixed with other herbicides registered for preharvest use in soybeans such as glyphosate and "Gramoxone" Inteon.

## **SUGARCANE**

Apply FeXapan™ for control of annual, biennial, or perennial broadleaf weeds listed in the WEEDS CONTROLLED section. Apply 11 - 33 fluid ounces of FeXapan™ per acre for control of annual weeds, 22 - 44 fluid ounces for control of biennial weeds, and 44 fluid ounces for control or suppression of perennial weeds.

Use the higher level of listed rate ranges when treating dense vegetative growth.

A single retreatment may be made as needed, however, do not exceed a total of 88 fluid ounces of FeXapan™ per treated acre during a growing season.

**Timing:** FeXapan™ may be applied to sugarcane any time after weeds have emerged, but before the close-in stage of sugarcane. Applications of 44 fluid ounces of FeXapan™ per acre made over the top of actively growing sugarcane may result in crop injury.

When possible, direct the spray beneath the sugarcane canopy to minimize the likelihood of crop injury. Using directed sprays will also help maximize the spray coverage of weed foliage.

Delay harvest until 87 days after treatment.

### **Sugarcane Tank Mixes**

FeXapan™ may be tank mixed with other products registered for use in sugarcane such as "Asulox", atrazine, "Evik", and 2,4-D.

## FARMSTEAD TURF (NONCROPLAND) AND SOD FARMS

Do not use on residential sites.

For use in general farmstead (noncropland) and sod farms, apply 4.12 – 44 fluid ounces of DuPont™ FeXapan™ per acre to control or suppress growth of many annual, biennial, and some perennial broadleaf weeds commonly found in turf. FeXapan™ will also suppress many other listed perennial broadleaf weeds and woody brush and vine species. Refer to Table 1 for rates based on targeted weed or brush species and growth stage. Some weed species will require tank mixes for adequate control.

Repeat treatments may be made as needed; however, do not exceed 44 fluid ounces of FeXapan™ per acre, per growing season.

Apply 30 - 200 gallons of diluted spray per treated acre (3 - 17 quarts of water per 1,000 square feet), depending on density or height of weeds treated and on the type of equipment used.

To avoid injury to newly seeded grasses, delay application of FeXapan™ until after the second mowing. Furthermore, applying more than 16 fluid ounces of FeXapan™ per treated acre may cause noticeable stunting or discoloration of sensitive grass species such as bentgrass, carpetgrass, buffalograss, and St. Augustinegrass.

In areas where roots of sensitive plants extend, do not apply more than 5.5 fluid ounces of FeXapan™ per treated acre on coarse-textured (sandy-type) soils, or in excess of 8 fluid ounces per treated acre on fine-textured soils. Do not make repeat applications in these areas for 30 days and until previous applications of FeXapan™ have been activated in the soil by rain or irrigation.

### Farmstead Turf (noncropland) and Sod Farm Tank Mixes

Apply 4.4 - 11 fluid ounces of FeXapan™ per acre in a tank mix with one of the products in Table 8 at the rates listed. Use the higher specified rates when treating established weeds.

Table 7.

| Tank Mix Partner*      | Rate Per Acre         |
|------------------------|-----------------------|
| bromoxynil ("Buctril") | 0.375 - 0.5 pound a.i |
| MCPA                   | 0.5 - 1.5 pounds a.e. |
| MCPP                   | 0.5 - 1.5 pounds a.e. |
| 2,4-D                  | 0.5 - 1.5 pounds a.e. |

\* Follow all tank mix partners' labeling for use rates, precautions and restrictions.

## WEEDS CONTROLLED

### WEED LIST

#### ANNUALS

|                                       |   |                                       |
|---------------------------------------|---|---------------------------------------|
| Alkanet                               | Goosefoot, Nettle Hempnettle            | Pusley, Florida                       |
| Amaranth, Palmer, Powell, Spiny       | Henbit                                  | Radish, Wild                          |
| Aster, Slender                        | Jacobs-Ladder                           | Ragweed, Common, Giant (Buffaloweed), |
| Bedstraw, Catchweed                   | Jimsonweed                              | Lance-Leaf                            |
| Beggarweed, Florida                   | Knawel (German Moss)                    | Rocket, London, Yellow                |
| Broomweed, Common                     | Knotweed, Prostrate                     | Rubberweed, Bitter (Bitterweed)       |
| Buckwheat, Tartary, Wild              | Kochia                                  | Salsify                               |
| Buffalobur                            | Ladysthumb                              | Senna, Coffee                         |
| Burclover, California                 | Lambsquarters Common                    | Sesbania, Hemp                        |
| Burcucumber                           | Lettuce, Miners, Prickly                | Shepherdspurse                        |
| Buttercup, Corn, Creeping, Roughseed, | Mallow, Common, Venice                  | Sicklepod                             |
| Western Field                         | Marestail (Horseweed)                   | Sida, Prickly (Teaweed)               |
| Carpetweed                            | Mayweed                                 | Smartweed, Green, Pennsylvania        |
| Catchfly, Nightflowering              | Morningglory, Ivyleaf, Tall             | Sneezeweed, Bitter                    |
| Chamomile, Corn                       | Mustard, Black, Blue, Tansy, Treacle,   | Sowthistle, Annual, Spiny             |
| Chevil, Bur                           | Tumble, Wild, Yellowtops                | Spanish Needles                       |
| Chickweed, Common                     | Nightshade, Black, Cutleaf              | Spikeweed, Common                     |
| Clovers                               | Pennycress, Field (Fanweed, Frenchweed, | Spurge, Prostrate, Leafy              |
| Cockle, Corn, Cow, White              | Stinkweed)                              | Spurry, Corn                          |
| Cocklebur, Common                     | Pepperweed, Virginia (Peppergrass)      | Starbur, Bristly                      |
| Copperleaf, Hophornbeam               | Pigweed, Prostrate, Redroot             | Starwort, Little                      |
| Cornflower (Bachelor Button)          | (Carelessweed), Rough, Smooth, Tumble   | Sumpweed, Rough                       |
| Croton, Tropic, Woolly                | Pineappleweed                           | Sunflower, Common (Wild), Volunteer   |
| Daisy, English                        | Poorjoe                                 | Thistle, Russian                      |
| Dragonhead, American                  | Poppy, Red-horned                       | Velvetleaf                            |
| Eveningprimrose, Cutleaf              | Puncturevine                            | Waterhemp, Common, Tall               |
| Falseflax, Smallseed                  | Purslane, Common                        | Waterprimrose, Winged                 |
| Fleabane, Annual                      |   | Wormwood                              |
| Flixweed                              |   |                                       |
| Fumitory                              |   |                                       |

## BIENNIALS

|   |   |   |
|---|---|---|
| Burdock, Common<br>Carrot, Wild (Queen Anne's Lace)<br>Cockle, White<br>Eveningprimrose, Common<br>Geranium, Carolina | Gromwell<br>Knapweed, Diffuse, Spotted<br>Mallow, Dwarf<br>Plantain, Bracted<br>Ragwort, Tansy<br>Starthistle, Yellow | Sweetclover<br>Teasel<br>Thistle, Bull, Milk, Musk, Plumeless |
|---|---|---|

## PERENNIALS

|   |  |  |
|---|--|--|
| Alfalfa <sup>1</sup><br>Artichoke, Jerusalem<br>Aster, Spiny, Whiteheath<br>Bedstraw, Smooth<br>Bindweed, Field, Hedge<br>Blueweed, Texas<br>Bursage, Woollyleaf <sup>1</sup> (Bur<br>Ragweed, Povertyweed)<br>Buttercup, Tall<br>Campion, Bladder<br>Chickweed, Field, Mouseear<br>Chicory <sup>1</sup><br>Clover, Hop<br>Dandelion <sup>1</sup> , Common<br>Dock <sup>1</sup> Broadleaf (Bitterdock), Curly<br>Dogbane, Hemp<br>Dogfennel <sup>1</sup> (Cypressweed)<br>Fern, Bracken<br>Garlic, Wild | Goldenrod, Canada, Missouri<br>Goldenweed, Common<br>Hawkweed<br>Henbane, Black <sup>1</sup><br>Horsenettle, Carolina<br>Ironweed<br>Knapweed, Black, Diffuse,<br>Russian <sup>1</sup> , Spotted<br>Milkweed, Climbing, Common,<br>Honeyvine, Western Whorled<br>Nettle, Stinging<br>Nightshade, Silverleaf (White<br>Horsenettle)<br>Onion, Wild<br>Plantain, Broadleaf, Buckhorn<br>Pokeweed<br>Ragweed, Western<br>Redvine<br>Sericia Lespedeza | Smartweed, Swamp<br>Snakeweed, Broom<br>Sorrel <sup>1</sup> , Red (Sheep Sorrel)<br>Sowthistle <sup>1</sup> , Perennial<br>Spurge, Leafy<br>Sundrops<br>Thistle, Canada, Scotch<br>Toadflex, Dalmatian<br>Tropical Soda Apple<br>Trumpet creeper (Buckvine)<br>Vetch<br>Waterhemlock, Spotted<br>Waterprimrose, Creeping<br>Woodsorrel <sup>1</sup> , Creeping, Yellow<br>Wormwood, Absinth, Louisiana<br>Yankee weed<br>Yarrow, Common <sup>1</sup> |
|---|--|--|

<sup>1</sup> Noted perennials may be controlled using lower rates of DuPont™ FeXapan™ than those recommended for other listed perennial weeds.

## WOODY SPECIES

|   |   |   |
|---|---|---|
| Alder<br>Ash<br>Aspen<br>Basswood<br>Beech<br>Birch<br>Blackberry <sup>2</sup><br>Blackgum <sup>2</sup><br>Cedar <sup>2</sup><br>Cherry<br>Chinquapin<br>Cottonwood<br>Creosotebush <sup>2</sup><br>Cucumbertree<br>Dewberry <sup>2</sup><br>Dogwood <sup>2</sup><br>Elm<br>Grape | Hawthorn (Thornapple) <sup>2</sup><br>Hemlock<br>Hickory<br>Honeylocust<br>Honeysuckle<br>Hornbeam<br>Huckleberry<br>Huisache<br>Ivy, Poison<br>Kudzu<br>Locust, Black<br>Maple<br>Mesquite<br>Oak<br>Oak, Poison<br>Olive, Russian<br>Persimmon, Eastern<br>Pine | Plum, Sand (Wild Plum) <sup>2</sup><br>Poplar<br>Rabbitbrush<br>Redcedar, Eastern <sup>2</sup><br>Rose <sup>2</sup> , McCartney, Multiflora<br>Sagebrush, Fringed <sup>2</sup><br>Sassafras<br>Serviceberry<br>Spicebush<br>Spruce<br>Sumac<br>Sweetgum <sup>2</sup><br>Sycamore<br>Tarbrush<br>Willow<br>Witchhazel<br>Yaupon <sup>2</sup><br>Yucca <sup>2</sup> |
|---|---|---|

<sup>2</sup> Growth suppression only

## SPRAY ADJUVANTS - ALL CROPS OR USES

Although not always needed, surfactant may be added to spray solutions of this product.

A quality nonionic surfactant (NIS) of at least 70% active may be added to the spray solution at 0.25 percent surfactant concentration (1 quart per 100 gallons of spray solution). Read and carefully observe all caution statements and other information on the surfactant label.

Do not add acidifying buffering agents, acidic pH adjusting agents or adjuvants other than agriculturally approved NIS to the spray solution.

Instead of NIS, oil concentrate surfactants such as crop oil concentrate (COC), high surfactant oil concentrate (HSOC) or methylated seed oil (MSO) may be used at 1 to 2 quarts/100 gallons (0.5% to 1% v/v), but at least 1 pint/acre. Do not use crop oil concentrates (COC) or methylated seed oils (MSO) as adjuvants when this product is applied with a Roundup Brand Agricultural Herbicide. When FeXapan™ is used with another herbicide that requires the use of a COC or MSO adjuvant follow the label instructions of that product.

A crop oil concentrate must contain either a petroleum or vegetable oil base and must meet all of the following criteria:

- be nonphytotoxic,
- contain only EPA-exempt ingredients,
- provide good mixing quality in the jar test, and
- be successful in local experience.

The exact composition of suitable products will vary; however, vegetable and petroleum oil concentrates should contain emulsifiers to provide good mixing quality. Highly refined vegetable oils have proven more satisfactory than unrefined vegetable oils.

[Optional label statement: Adjuvants containing crop oil concentrates may be used in preplant, pre-emergence, and preharvest application, as well as in pastures and noncropland. Do not use crop oil concentrate for postemergence in-crop applications unless specifically allowed in the Crop-Specific Information of this label or in separate supplemental labeling.]

#### **Drift Reduction Additives**

Nozzle selection is one of the most important parameters for drift reduction. A drift reduction additive may be used with this product to further reduce fine droplets. Not all drift reduction additives are compatible with every nozzle type and pesticide / adjuvant combination. Check with the additive manufacturer to insure that the drift additive will work properly with the spray nozzle, spray pressure and your specific spray solution.

Read and carefully observe all precautions, limitations and all other information on the product label.

### **CROP ROTATIONAL RESTRICTIONS**

The interval between application of this product and the planting of other crops in a crop rotation program is given below. When counting days from the application of this product, do not count days when the ground is frozen. Planting at intervals less than specified in this section could result in crop injury. Moisture is essential for the degradation of this herbicide in soil. If dry weather prevails, use cultivation to allow herbicide contact with moist soil. Planting/replanting restrictions at application rates of 33 fluid ounces of this product per acre or less: Follow the planting restrictions in the directions for use for Preplant application in the Crop Specific Information section of this label. Do not plant barley, oat, wheat, and other grass seedings for 15 days for every 11 fluid ounces of this product applied per acre east of the Mississippi River and 22 days for every 11 fluid ounces per acre applied west of the Mississippi River. No planting restrictions apply beyond 120 days after application of this product. Planting/replanting restrictions at application rates of more than 33 fluid ounces and up to 88 fluid ounces of this product per acre: Wait a minimum of 120 days after application of this product before planting corn, sorghum and cotton east of the Rocky Mountains and before planting all other crops grown in areas receiving 30 inches or more rainfall annually. Wait a minimum of 180 days before planting crops in areas with less than 30 inches of annual rainfall. Wait a minimum of 30 days for every 22 fluid ounces of this product applied per acre before planting barley, oat, wheat, and other grass seedings east of the Mississippi River and 45 days for every 22 fluid ounces of this product applied per acre west of the Mississippi River.

### **APPLICATION EQUIPMENT AND TECHNIQUES**

**DO NOT APPLY THIS PRODUCT USING AERIAL SPRAY EQUIPMENT.**

DuPont™ FeXapan™ can be applied to actively growing weeds as broadcast, band, or spot spray applications using water or sprayable fertilizer as a carrier. Control weeds early when they are relatively small (less than 4 inches). Timely application to small weeds early in the season will improve control and reduce weed competition. Refer to table 1 for FeXapan™ application rates for control or suppression by weed type and growth stage. For crop-specific application timing and other details, refer to the CROP-SPECIFIC INFORMATION section of this label.

**APPLY THIS PRODUCT USING PROPERLY MAINTAINED AND CALIBRATED EQUIPMENT CAPABLE OF DELIVERING THE DESIRED VOLUMES.**

**CULTIVATION** Do not cultivate within 7 days after applying this product.

#### **Ground Application (Banding)**

When applying FeXapan™ by banding, determine the amount of herbicide and water volume needed using the following formula:

|                            |   |                           |   |                                 |
|----------------------------|---|---------------------------|---|---------------------------------|
| <u>Bandwidth in inches</u> | X | Broadcast rate per acre   | = | Banding herbicide rate per acre |
| Row width in inches        |   |                           |   |                                 |
| <u>Bandwidth in inches</u> | X | Broadcast volume per acre | = | Banding water volume per acre   |
| Row width in inches        |   |                           |   |                                 |

### **Ground Application (Broadcast)**

**Water Volume:** Use a minimum of 10 gallons of spray solution per broadcast acre for optimal performance. Use the higher spray volume (20 gallons per acre) when treating dense or tall vegetation.

**Application Equipment:** Select nozzles designed to produce minimal amounts of fine spray particles. Spray with nozzles as close to the weeds as practical for good weed coverage.

### **Ground Application (Wipers)**

DuPont™ FeXapan™ may be applied through wiper application equipment to control or suppress actively growing broadleaf weeds, brush and vines. Use a solution containing 1 part FeXapan™ to 1 part water. Do not apply greater than 1 lb dicamba acid equivalent (1 quart of this product) per acre per application. Do not contact desirable vegetation with herbicide solution. Wiper application may be made to crops (including pastures) and non-cropland areas described in this label with the exception of cotton, sorghum, and soybean.

### **Proper Spray System Equipment Cleanout**

Minute quantities of dicamba can cause injury to sensitive crops (see the “Sensitive Areas” section of this label for a listing of sensitive crops).

Clean equipment immediately after using this product, using a triple rinse procedure as follows:

1. After spraying, drain the sprayer (including boom and lines) immediately. Do not allow the spray solution to remain in the spray boom lines overnight prior to flushing.
2. Flush tank, hoses, boom and nozzles with clean water.
3. Inspect and clean all strainers, screens and filters.
4. Prepare a cleaning solution with a commercial detergent or sprayer cleaner or ammonia according to the manufacturer's directions.
5. Take care to wash all parts of the tank, including the inside top surface. Start agitation in the sprayer and thoroughly recirculate the cleaning solution for at least 15 minutes. All visible deposits must be removed from the spraying system.
6. Flush hoses, spray lines and nozzles for at least 1 minute with the cleaning solution.
7. Repeat above steps for two additional times to accomplish an effective triple rinse.
8. Remove nozzles, screens and strainers and clean separately in the cleaning solution after completing the above procedures.
9. Appropriately dispose of rinsate from steps 1-7 in compliance with all applicable laws and regulations.
10. Drain sump, filter and lines.
11. Rinse the complete spraying system with clean water.

All rinse water must be disposed of in compliance with local, state, and federal guidelines.

## **SPRAY DRIFT MANAGEMENT**

The interaction of many equipment- and weather-related factors determines the potential for spray drift. The applicator is responsible for considering all these factors when making application decisions. Avoiding spray drift is the responsibility of the applicator.

### **IMPORTANCE OF DROPLET SIZE**

The most effective drift management strategy is to apply the largest droplets which are consistent with pest control objectives. The presence of sensitive species nearby, the environmental conditions, and pest pressure may affect how an applicator balances drift control and coverage. Applying larger droplets reduces drift potential, but will not prevent drift if applications are made improperly or under unfavorable environmental conditions.

A droplet size classification system describes the range of droplet sizes produced by spray nozzles. The American Society of Agricultural and Biological Engineers (ASABE) provide a Standard that describes droplet size spectrum categories defined by a number of reference nozzles (fine, coarse, etc.). Droplet spectra resulting from the use of a specific nozzle may also be described in terms of volume mean diameter (VMD). Coarser droplet size spectra have larger VMD's and lower drift potential.

### **CONTROLLING DROPLET SIZE - GROUND APPLICATION**

- **Nozzle Type** - Use only spray nozzles that produce very coarse to ultra coarse spray droplets and minimal amounts of fine spray droplets as defined by ASABES-572.1. Select a nozzle type that is designed for the intended application that will deliver a spray volume of at least 10 GPA. With most nozzle types, narrower spray angles produce larger droplets. Do not use conventional flat fan nozzles that produce an excessive amount of driftable fines. The use of low-drift nozzles will reduce drift potential.

- **Pressure** - The lowest spray pressures recommended for the nozzle produce the largest droplets. Higher pressure reduces droplet size and does not improve canopy penetration. When higher flow rates are needed, using a higher-capacity nozzle instead of increasing pressure results in the coarsest droplet spectrum. Adjust pressure for selected nozzle according to the nozzle manufacturer to maintain very coarse to ultra coarse droplets.
- **Equipment Ground Speed** - Select a ground speed less than 15 miles per hour that will deliver the desired spray volume while maintaining the desired spray pressure. Slower speeds generally result in better spray coverage and deposition on the target area.
- **Flow Rate/Orifice Size** - Using the highest flow rate nozzles (largest orifice) that are consistent with pest control objectives reduces the potential for spray drift. Nozzles with higher rated flows produce coarser droplet spectra.
- **Application Height (ground)** - Applications made at the lowest height consistent with pest control objectives, and that allow the applicator to keep the boom level with the application site and minimize bounce, will reduce the exposure of spray droplets to evaporation and wind, and reduce spray drift potential. Spray at the appropriate boom height based on nozzle selection and nozzle spacing (not more than 24 inches above target pest or crop canopy). Set boom to lowest effective height over the target pest or crop canopy based on equipment manufacturer's directions. For example, the 110° series nozzle is preferred as it allows for the lowest boom height (maximum of 20 inches above the target pest or crop canopy). Automated boom height controllers are recommended with large booms to better maintain optimum nozzle to canopy height. Excessive boom height will increase the potential for spray drift.

## WIND

Drift potential is lowest when applications are made in light to gentle sustained winds (3-10 mph), which are blowing in a constant direction. Many factors, including droplet size and equipment type also determine drift potential at any given wind speed. AVOID GUSTY OR WINDLESS CONDITIONS.

If the wind speed is 3 miles per hour or less and fog is present, indicating a temperature inversion, do not apply this product.

- If fog is not present, conduct a smoke test. Smoke that moves upward confirms there is no inversion present whereas smoke that layers and moves laterally in a concentrated cloud indicates a temperature inversion exists. Do not apply this product during a temperature inversion. Wait until the temperature has risen at least 3 degrees Fahrenheit from the morning low temperature or the wind speed is greater than 3 miles per hour to ensure that any inversion has lifted.
- Do not spray this product when the wind is blowing in the direction of a sensitive area at a wind speed greater than 10 miles per hour.
- For wind speed and direction restrictions for application of this product see the table below:

| Wind Speed    | Application conditions and restrictions                               |
|---------------|---|
| < 3 mph       | Do not apply this product if temperature inversion exists             |
| 3 – 10 mph    | Optimum conditions for application of this product                    |
| > 10 – 15 mph | Do not apply this product when wind is blowing toward sensitive areas |
| > 15 mph      | Do not apply this product   |

Local terrain can also influence wind patterns. Every applicator is expected to be familiar with local wind patterns and how they affect spray drift.

## TEMPERATURE AND HUMIDITY

Setting up equipment to produce larger droplets to compensate for droplet evaporation can reduce spray drift potential. Droplet evaporation is most severe when conditions are both hot and dry.

## SURFACE TEMPERATURE INVERSIONS

Do not apply during a temperature inversion. Drift potential is high during a surface temperature inversion. Surface inversions restrict vertical air mixing, which may cause small suspended droplets to remain close to the ground and move laterally in a concentrated cloud. Surface inversions are characterized by increasing temperature with altitude and are common on nights with limited cloud cover and light to no wind. They begin to form as the sun sets and often continue into the morning. Mist or fog may indicate the presence of an inversion in humid areas. Inversions may also be identified by producing smoke and observing its behavior. Smoke that remains close to the ground, or moves laterally in a concentrated cloud under low wind conditions indicates a surface inversion. Smoke that moves upward and rapidly dissipates indicates good vertical air mixing.

## SHIELDED SPRAYERS

Shielding the boom or individual nozzles can reduce the effects of wind. However, it is the responsibility of the applicator to verify that the shields are minimizing drift potential, and not interfering with uniform deposition of the product.

## SENSITIVE AREAS

Sensitive areas include known habitat for threatened or endangered species, non-target sensitive crop, residential areas, and greenhouses. Applicators are required to ensure that they are aware of the proximity to sensitive areas, to avoid potential



adverse effects from off-target movement of DuPont™ FeXapan™. The applicator must survey the application site for neighboring sensitive areas prior to application. The applicator also should consult sensitive crop registries for locating sensitive areas where available. Failure to follow the requirements in this label, could result in severe injury or destruction to desirable sensitive crops and trees, particularly beans, cotton, flowers, fruit trees, grapes, ornamentals, peas, potatoes, soybeans, sunflowers, tobacco, tomatoes, and other broadleaf plants when contacting their roots, stems or foliage.

#### **DRIFT CONTROL ADDITIVES**

Using product compatible drift control additives can reduce drift potential. When a drift control additive is used, read and carefully observe cautionary statements and all other information on the additive's label. If using an additive that increases viscosity, ensure that the nozzles and other application equipment will function properly with a viscous spray solution. Preferred drift control additives have been certified by the Chemical Producers and Distributors Association (CPDA).

#### **STORAGE AND DISPOSAL**

Proper pesticide storage and disposal are essential to protect against exposure to people and the environment due to leaks and spills, excess product or waste, and vandalism. Do not allow this product to contaminate water, foodstuffs, feed or seed by storage and disposal.

Open dumping is prohibited. This product may not be mixed, loaded, or used within 50 feet of all wells including abandoned wells, drainage wells, and sinkholes.

**PESTICIDE STORAGE:** Groundwater contamination may be reduced by diking and flooring of permanent liquid bulk storage sites with an impermeable material. Spillage or leakage should be contained and absorbed with clay granules, sawdust, or equivalent material for disposal.

Store in original container in a well-ventilated and away from food, pet food, feed, seed, fertilizers, and veterinary supplies. Avoid cross-contamination with other pesticides. Keep container closed to prevent spills and contamination.

**PESTICIDE DISPOSAL:** To avoid wastes, use all material in this container, including rinsate, by application according to label directions. If wastes cannot be avoided, offer remaining product to a waste disposal facility or pesticide disposal program. Such programs are often run by state or local governments or by industry. All disposal must be in accordance with applicable federal, state and local regulations and procedures.

**CONTAINER HANDLING:** Refer to the Net Contents section of this product's labeling for the applicable "Nonrefillable Container" or "Refillable Container" designation.

**Nonrefillable Rigid Plastic and Metal Containers (Capacity Equal to or Less Than 5 Gallons):** Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then, for Plastic Containers, offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration. Do not burn, unless allowed by state and local ordinances. For Metal Containers, offer for recycling if available or reconditioning if appropriate, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

**Nonrefillable Rigid Plastic and Metal Containers (Capacity Greater Than 5 Gallons):** Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then, for Plastic Containers, offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration. Do not burn, unless allowed by state and local ordinances. For Metal Containers, offer for recycling if available or reconditioning if appropriate, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

**Nonrefillable Rigid Plastic and Metal Containers, e.g., Intermediate Bulk Containers [IBC] (Size or Shape Too Large to be Tipped, Rolled or Turned Upside Down):** Nonrefillable container. Do not reuse or refill this container. Clean container promptly after emptying the contents from this container into application equipment or mix tank and before final disposal using the following pressure rinsing procedure. Insert a lance fitted with a suitable tank cleaning nozzle into the container and ensure that the water spray thoroughly covers the top, bottom and all sides inside the container. The nozzle manufacturer generally provides instructions for the appropriate spray pressure, spray duration and/or spray volume. If the manufacturer's instructions are not available, pressure rinse the container for at least 60 seconds using a minimum pressure of 30 PSI with a minimum rinse volume of 10% of the container volume. Drain, pour or pump rinsate into application equipment or rinsate collection system. Repeat this pressure rinsing procedure two more times. Then, for Plastic Containers, offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration. For Metal Containers, offer for recycling if available or reconditioning if appropriate, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

**All Refillable Containers:** Refillable container. Refilling Container: Refill this container with DuPont™ FeXapan™ herbicide containing dicamba only. Do not reuse this container for any other purpose. Cleaning before refilling is the responsibility of the refiller. Prior to refilling, inspect carefully for damage such as cracks, punctures, abrasions, worn out threads and closure devices. If damage is found, do not use container, contact DuPont at the number below for instructions. Check for leaks after refilling and before transporting. If leaks are found, do not reuse or transport container, contact DuPont at the number below for instructions. Disposing of Container: Do not reuse this container for any other purpose other than refilling (see preceding). Cleaning the container before final disposal is the responsibility of the person disposing of the container. To clean the container before final disposal, use the following pressure rinsing procedure. Insert a lance fitted with a suitable tank cleaning nozzle into the container and ensure that the water spray thoroughly covers the top, bottom and all sides inside the container. The nozzle manufacturer generally provides instructions for the appropriate spray pressure, spray duration and/or spray volume. If the manufacturer's instructions are not available, pressure rinse the container for at least 60 seconds using a minimum pressure of 30 PSI with a minimum rinse volume of 10% of the container volume. Drain, pour or pump rinsate into application equipment or rinsate collection system. Repeat this pressure rinsing procedure two more times. Then, for Plastic Containers, offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration. Do not burn, unless allowed by state and local ordinances. For Metal Containers, offer for recycling if available or reconditioning if appropriate, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

Do not transport if container is damaged or leaking. If the container is damaged, leaking or obsolete, or in the event of a major spill, fire or other emergency, contact DuPont at 1-800-441-3637, day or night.

**NOTICE TO BUYER:** Purchase of this material does not confer any rights under patents of countries outside of the United States.

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## **LIMITATION OF WARRANTY AND LIABILITY**

**NOTICE:** Read this Limitation of Warranty and Liability Before Buying or Using This Product. DuPont Will Not Be Responsible for Losses or Damages Resulting from the Use of This Product in Any Manner Not Specifically Directed by DuPont. User Assumes All Risks Associated With Such Non-Directed Use.

If the Terms Are Not Acceptable, Return the Product at Once, Unopened, and the Purchase Price Will Be Refunded.

It is impossible to eliminate all risks associated with the use of this product. Such risks arise from weather conditions, soil factors, off target movement, unconventional farming techniques, presence of other materials, the manner of use or application, or other unknown factors, all of which are beyond the control of DuPont. These risks can cause: ineffectiveness of the product, crop injury, or injury to non-target crops or plants. **WHEN YOU BUY OR USE THIS PRODUCT, YOU AGREE TO ACCEPT THESE RISKS.**

DuPont warrants that this product conforms to the chemical description on the label thereof and is reasonably fit for the purpose stated in the Directions for Use, subject to the inherent risks described above, when used in accordance with the Directions for Use under normal conditions.

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, DUPONT MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR OF MERCHANTABILITY OR ANY OTHER EXPRESS OR IMPLIED WARRANTY. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, IN NO EVENT SHALL DUPONT OR SELLER BE LIABLE FOR ANY INCIDENTAL, CONSEQUENTIAL OR SPECIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT. BUYER'S OR USER'S BARGAINED-FOR EXPECTATION IS CROP PROTECTION. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER AND THE EXCLUSIVE LIABILITY OF DUPONT OR SELLER, FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY OR CONTRACT, NEGLIGENCE, TORT OR STRICT LIABILITY), WHETHER FROM FAILURE TO PERFORM OR INJURY TO CROPS OR OTHER PLANTS, AND RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT, OR AT THE ELECTION OF DUPONT OR SELLER, THE REPLACEMENT OF THE PRODUCT.

To the extent consistent with applicable law that allows such requirement, DuPont or its Ag Retailer must have prompt notice of any claim so that an immediate inspection of buyer's or user's growing crops can be made. Buyer and all users shall promptly notify DuPont or a DuPont Ag Retailer of any claims, whether based on contract, negligence, strict liability, other tort or otherwise, or be barred from any remedy.

This Limitation of Warranty and Liability may not be amended by any oral or written agreement.

For product information call: 1-888-6-DUPONT [1-888-638-7668]

Internet address: <http://cropprotection.dupont.com/>

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# DuPont™ FeXapan™

HERBICIDE

EPA comments  
sent  
7/10/15

GROUP

4

HERBICIDE

For weed control in asparagus, conservation reserve programs, corn, cotton, fallow croplands, general farmstead (noncropland), sorghum, grass grown for seed, hay, proso millet, pasture, rangeland, small grains, sod farms and farmstead turf, soybean, and sugarcane.

| Active Ingredient  | By Weight |
|--|-----------|
| Diglycolamine salt of dicamba<br>(3,6-dichloro-o-anisic acid)* | 42.8%     |
| Other Ingredients  | 57.2%     |
| TOTAL  | 100.0%    |

\* contains 29.0%, 3,6-dichloro-o-anisic acid (2.9 pounds acid equivalent per U.S. gallon or 350 grams per liter).

EPA Reg. No. 352-XXX

EPA Est. No. \_\_\_\_\_

Nonrefillable Container

Net: \_\_\_\_\_

OR

Refillable Container

Net: \_\_\_\_\_

## KEEP OUT OF REACH OF CHILDREN

## CAUTION

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand this label, find someone to explain it to you in detail.)

### FIRST AID

**IF IN EYES:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

**IF SWALLOWED:** Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything to an unconscious person.

**IF ON SKIN OR CLOTHING:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-441-3637 for emergency medical treatment information.

### PRECAUTIONARY STATEMENTS

#### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

### USER SAFETY RECOMMENDATIONS


Users should: Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

# Summary of Comments on AVAUNT D-1080 011306

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## PERSONAL PROTECTIVE EQUIPMENT (PPE) <sup>11</sup>

Some materials that are chemical-resistant to this product are nitrile rubber and butyl rubber. <sup>11</sup> ~~If you want more options, follow the instructions for Category C on an EPA chemical resistance category selection chart.~~

**All mixers, loaders, applicators and other handlers must wear:**

- Long-sleeved shirt and long pants
- Chemical-resistant gloves
- Shoes plus socks.

See "Engineering Controls Statement" for additional requirements.

Follow the manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

**Engineering Control Statement:** When handlers use closed systems, or enclosed cabs in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

**IMPORTANT:** When reduced PPE is worn because a closed system is being used, handlers must be provided all PPE specified above for "all mixers, loaders, applicators and other handlers" and have such PPE immediately available for use in an emergency, such as a spill or equipment breakdown.

## ENVIRONMENTAL HAZARDS

Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters or rinsate. Apply this product only as directed on the label.

This chemical is known to leach through soil into ground water under certain conditions as a result of agricultural use. Use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in ground water contamination.

### GROUND AND SURFACE WATER PROTECTION

**Point source contamination** - To prevent point source contamination, do not mix or load this pesticide product within 50 feet of wells (including abandoned wells and drainage wells), sink holes, perennial or intermittent streams and rivers, and natural or impounded lakes and reservoirs. Do not apply pesticide product within 50 feet of wells. This setback does not apply to properly capped or plugged abandoned wells and does not apply to impervious pad or properly diked mixing/loading areas as described below.

Mixing, loading, rinsing, or washing operations performed within 50 feet of a well are allowed only when conducted on an impervious pad constructed to withstand the weight of the heaviest load that may be on or move across the pad. The pad must be self-contained to prevent surface water flow over or from the pad. The pad capacity must be maintained at 110% that of the largest pesticide container or application equipment used on the pad and have sufficient capacity to contain all product spills, equipment or container leaks, equipment wash waters, and rainwater that may fall on the pad. The containment capacity does not apply to vehicles delivering pesticide shipments to the mixing/loading site. States may have in effect additional requirements regarding wellhead setbacks and operational containment.

Care must be taken when using this product to prevent: a) back siphoning into wells, b) spills or c) improper disposal of excess pesticide, spray mixtures or rinsates. Check valves or anti-siphoning devices must be used on all mixing equipment.

**Movement by surface runoff or through soil** - Do not apply under conditions which favor runoff. Do not apply to impervious substrates such as paved or highly compacted surfaces in areas with high potential for ground water contamination. Ground water contamination may occur in areas where soils are permeable or coarse and ground water is near the surface. Do not apply to soils classified as sand with less than 3% organic matter and where ground water depth is shallow. To minimize the possibility of ground water contamination, carefully follow application rate ~~recommendations~~ <sup>12</sup> affected by soil type in the Crop Specific Information section of this label.

**Movement by water erosion of treated soil** - Do not apply or incorporate this product through any type of irrigation equipment nor by flood or furrow irrigation. Ensure treated areas have received at least one-half inch rainfall (or irrigation) before using tailwater for subsequent irrigation of other fields.

## ENDANGERED SPECIES CONCERNS

The use of any pesticide in a manner that may kill or otherwise harm an endangered species or adversely modify their habitat is a violation of federal law.

### PHYSICAL OR CHEMICAL HAZARDS


Do not store or heat near oxidizing agents, hazardous chemical reaction may occur.

## DIRECTIONS FOR USE


It is a violation of Federal law to use this product in any manner inconsistent with its labeling. This product can only be used in accordance with the Directions for Use on this label or in separately published DuPont supplemental labeling. Supplemental labeling can be obtained from your Authorized DuPont Retailer or DuPont Company Representative. This labeling must be in the user's possession during application.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulations.

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instructions

## AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about Personal Protective Equipment (PPE), and restricted-entry intervals. The requirements in this box only apply to uses of this product that are covered by the WPS.

Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 24 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as, plants, soil, or water is:

- Coveralls worn over short-sleeved shirt and short pants
- Chemical-resistant footwear plus socks
- Chemical-resistant gloves made of any waterproof material
- Chemical-resistant headgear for overhead exposure
- Protective eyewear

## NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

Do not enter or allow people (or pets) to enter the treated area until sprays have dried. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Do not enter or allow other people or pets to enter until sprays have dried.

## PRODUCT INFORMATION

Do not apply by air. This product is a water-soluble formulation intended for control and suppression of many annual, biennials, and perennial broadleaf weeds, as well as woody brush and vines listed in the WEEDS CONTROLLED section of this label. This product may be used for control of these weeds in asparagus, corn, cotton, conservation reserve programs, fallow cropland, grass grown for seed, hay, proso millet, pasture, rangeland, general farmstead (noncropland), small grains, sod farms and farmstead turf, sorghum, soybean, and sugarcane.

DuPont™ FeXapan™ is a postemergence, systemic herbicide which can have moderate residual control on small seeded broadleaf weeds, including waterhemp, lambsquarters and Palmer pigweed, depending on rainfall and soil type.

Refer to the CROP-SPECIFIC INFORMATION section for application timing and other crop-specific details.

FeXapan™ is readily absorbed by plants through shoot and root uptake, translocates throughout the plant's system, and accumulates in areas of active growth. FeXapan™ interferes with the plant's growth hormones (auxins) resulting in death of many broadleaf weeds.

[Optional label text: Do not add [Optional label text: surfactants, additives containing surfactants,] buffering agents or pH adjusting agents to the spray solution when FeXapan™ is the only pesticide being applied unless otherwise directed. See the MIXING section of this label for instructions regarding other additives.]

## RESTRICTIONS

**Maximum Application Rates:** The maximum application or use rates stated throughout this label are given in units of volume (fluid ounces or quarts) of this product per acre. However, the maximum allowed application rates apply to this product combined with the use of any and all other herbicides containing the active ingredients dicamba, whether applied separately or as a tank mixture, on a basis of total pounds of dicamba (acid equivalents) per acre. If more than one dicamba-containing product is applied to the same site within the same year, you must ensure that the total use of dicamba (pounds acid equivalents) does not exceed the maximum allowed. See the INGREDIENTS section of this label for necessary product information.

**Maximum seasonal use rate:** Refer to Table 2. Crop-Specific Restrictions for crop-specific maximum seasonal use rates. Do not exceed 88 fluid ounces of FeXapan™ (2 pounds acid equivalent) per acre, per year.

**Preharvest Interval (PHI):** Refer to the CROP-SPECIFIC INFORMATION section for preharvest intervals.

**Restricted Entry Interval (REI):** 24 hours

**Rainfast period:** Rainfall or irrigation occurring within 4 hours after postemergence applications may reduce the effectiveness of this product.



**Stress:** Do not apply to crops under stress due to lack of moisture, hail damage, flooding, herbicide injury, mechanical injury, insects, or widely fluctuating temperatures as injury may result.

Do not apply through any type of irrigation equipment. Do not treat irrigation ditches or water used for crop irrigation or domestic purposes.

## **WEED RESISTANCE MANAGEMENT**

Dicamba mimics auxin (a plant hormone) resulting in a hormone imbalance in susceptible plants that interferes with normal cell division, cell enlargement, and protein synthesis. Dicamba active ingredient is a Group 4 herbicide based on the mode of action classification system of the Weed Science Society of America. Any weed population can contain plants naturally resistant to Group 4 herbicides. Weed species resistant to Group 4 herbicides can be effectively managed utilizing another herbicide from a different Group, or by using other cultural or mechanical practices.

### **Weed Management Practices**

To minimize the occurrence of dicamba-resistant biotypes, observe the following weed management practices:

- Scout your fields before and after herbicide application.
- Start with a clean field, using either a burndown herbicide application or tillage.
- Control weeds early when they are relatively small (less than 4 inches).
- Incorporate other herbicides (e.g., a selective and/or a residual herbicide) and cultural practices (e.g., tillage or crop rotation) as part of your weed control system, where appropriate.
- Use the full recommended herbicide rate and proper application timing for the hardest to control weed species present in the field. Avoid tank mixtures with other herbicides that reduce the efficacy of this product (through antagonism), or with ones that encourage application rates of this product below those specified on this label.
- Control weed escapes before they reproduce by seed or proliferate vegetatively.
- Clean equipment before moving from field to field to minimize the spread of weed seed or plant parts.
- Use new commercial seed that is as free of weed seed as possible.
- Use good agronomic principles that enhance crop development and crop competitiveness.
- Report any incidence of repeated non-performance of this product on a particular weed to your DuPont representative, local retailer, or county extension agent.

### **Management of Dicamba-Resistant Biotypes**

Appropriate testing is critical in order to determine if a weed is resistant to dicamba. Contact your DuPont representative to determine if resistance in any particular weed biotype has been confirmed in your area, or visit on the Internet [www.weedscience.org](http://www.weedscience.org).

Since the occurrence of new dicamba-resistant weeds cannot be determined until after product use and scientific confirmation, DuPont is not responsible for any losses that result from the failure of this product to control dicamba-resistant weed biotypes.

The following good agronomic practices can reduce the spread of confirmed dicamba-resistant biotypes:

- If a naturally occurring resistant biotype is present in your field, this product may be tank-mixed or applied sequentially with an appropriately labeled herbicide with a different mode of action to achieve control.
- Cultural and mechanical control practices (e.g., crop rotation or tillage) can also be used as appropriate.
- Scout treated fields after herbicide application and control weed escapes, including resistant biotypes, before they set seed.
- Thoroughly clean equipment before leaving fields known to contain resistant biotypes.

## **INTEGRATED PEST MANAGEMENT**

This product may be used as part of an Integrated Pest Management (IPM) program that can include biological, cultural, and genetic practices aimed at preventing economic pest damage. IPM principles and practices include field scouting or other detection methods, correct target pest identification, population monitoring, and treating when target pest populations reach locally determined action thresholds. Consult your state cooperative extension service, professional consultants or other qualified authorities to determine appropriate action treatment threshold levels for treating specific pest/crop systems in your area.



## APPLICATION INFORMATION

**Table 1. DuPont™ FeXapan™ Application Rates for Control or Suppression by Weed Type and Growth Stage**

Use rate limitations are given in the RESTRICTIONS AND CROP SPECIFIC INFORMATION sections.

| Weed Type and Stage         | Rate Per Acre        | Weed Type and Stage   | Rate Per Acre        |
|-----------------------------|----------------------|---|----------------------|
| <b>Annual<sup>1</sup></b>   |                      | <b>Perennial</b>  |                      |
| Small, actively growing     | 11 – 22 fluid ounces | Top growth suppression                                      | 11 – 22 fluid ounces |
| Established weed growth     | 22 – 33 fluid ounces | Top growth control and root suppression                     | 22 – 44 fluid ounces |
|                             |                      | Noted perennials (footnote 1 in Crop-specific information). | 44 fluid ounces      |
|                             |                      | Other perennials <sup>3</sup>                               | 44 fluid ounces      |
| <b>Biennial</b>             |                      | <b>Woody Brush &amp; Vines</b>                              |                      |
| Rosette diameter 1 – 3"     | 11 – 22 fluid ounces | Top growth suppression                                      | 22 – 44 fluid ounces |
| Rosette diameter 3" or more | 22 – 44 fluid ounces | Top growth control <sup>2,3</sup>                           | 44 fluid ounces      |
| Bolting                     | 44 fluid ounces      | Stems and stem suppression <sup>3</sup>                     | 44 fluid ounces      |

<sup>1</sup> Rates below 11 fluid ounces per acre may provide control or suppression but should typically be applied with other herbicides that are effective on the same species and biotype.

<sup>2</sup> Species noted in Table 1 will require tank mixes for adequate control.

<sup>3</sup> Do not broadcast apply more than 44 fluid ounces per acre in any single application. One sequential application of up to 44 fluid ounces may be required for adequate control. Use the higher level listed rate ranges when treating dense vegetative growth or perennial weeds with well established root growth.

### Tank Mixtures



This product may be tank-mixed with other registered herbicides to provide longer residual weed control, a broader weed control spectrum or an alternate mode of action. Always read and follow label directions for all products in the tank mixture.

Some tank-mix products have the potential to cause crop injury under certain conditions, at certain growth stages and/or under other circumstances. Read the label for all products to be used in the tank mixture prior to use to determine the potential for crop injury.

Tank mixtures with other herbicides, insecticides, fungicides, miticides, additives, micronutrients or foliar fertilizers could result in reduced weed control, physical incompatibility or crop injury. DuPont has not tested all tank-mix product formulations for compatibility, antagonism or reduction in product performance. Unless prohibited by law, buyer and all users are solely responsible for any and all loss or damage in connection with the use or handling of mixtures of this product with herbicides or other materials that are not expressly specified on this label or in separate supplemental labeling or Fact Sheets published for this product.

Refer to the tank mix product labels to confirm that the respective tank mix products are registered for the specific crop use. Refer to all individual product labels, supplemental labeling and Fact Sheets for all products in the tank mixture, and observe all precautions and limitations on the label, including application timing restrictions, soil restrictions, minimum re-cropping intervals and rotational guidelines. Use according to the most restrictive precautionary statements for each product in the tank mixture. See the CROP-SPECIFIC INFORMATION section for more details.

Always predetermine the compatibility of all tank-mix products together in the carrier by mixing small proportional quantities in advance.

Apply this product or tank mixtures with this product at a minimum spray volume rate of 10 GPA.

Do not apply in tank mixtures with "Lorsban" insecticide.

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There are no "species" noted in Table 1. If you are in fact referencing this table please change "species" to "weed type"

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move the compatibility test instructions (on pg 18) to appear before or after "tank mixtures"

**Table 2. Crop-Specific Restrictions<sup>1</sup>**

| Crop   | Maximum Rate Per Acre Per Application (fl oz) | Maximum In-Crop Rate Pre Acre Per Season (fl oz) | Livestock Grazing or Feeding |
|--|---|--|------------------------------|
| Asparagus  | 22  | 22   | Yes                          |
| Barley; Fall   | 11  | 16.5   | Yes                          |
| Straw  | 11  | 15   | Yes                          |
| Conservation Reserve Program (CRP)                               | 44  | 88   | Yes <sup>2</sup>             |
| Corn   | 22  | 33   | Yes                          |
| Cotton   | 11  | 11   | Yes                          |
| Fallow Ground  | 44  | 88   | Yes                          |
| Grass grown for seed   | 44  | 88   | Yes                          |
| Oats   | 5.5   | 5.5  | Yes                          |
| Pastureland  | 44  | 44   | Yes                          |
| Proso Millet   | 5.5   | 5.5  | Yes                          |
| Small grains grown for grass, forage, fodder, hay and/or pasture | 22  | 22   | Yes                          |
| Sorghum  | 11  | 22   | Yes                          |
| Soybean  | 44  | 44   | Yes                          |
| Sugarcane  | 44  | 88   | Yes                          |
| Triticale  | 5.5   | 5.5  | Yes                          |
| Sod farms and farmstead turf                                     | 44  | 44   | Yes                          |
| Wheat  | 11  | 22   | Yes                          |

<sup>1</sup> Refer to CROP-SPECIFIC INFORMATION for more details.

<sup>2</sup> Once the crop reaches the ensilage (milk) stage or later in maturity

## CROP-SPECIFIC INFORMATION

### ASPARAGUS

Apply DuPont™ FeXapan™ to emerged and actively growing weeds in 40 - 60 gallons of diluted spray per treated acre immediately after cutting the field, but at least 24 hours before the next cutting. Multiple applications may be made per growing season. [3]

If spray contacts emerged spears, crooking (twisting) of some spears may result. If such crooking occurs, discard affected spears.

Rates: Apply 11-22 fluid ounces of FeXapan™ to control annual sowthistle, black mustard, Canada and Russian thistle, and redroot pigweed (carelessweed).

Apply 22 fluid ounces of FeXapan™ to control common chickweed, field bindweed, nettleleaf goosefoot, and wild radish. Up to 2 applications may be made per growing season. Do not exceed a total of 22 fluid ounces of FeXapan™ per treated acre, per crop year.

Do not harvest prior to 24 hours after treatment.

Do not use in the Coachella Valley of California.

### Asparagus Tank Mixes

Apply 11-22 fluid ounces of FeXapan™ with glyphosate or 2,4-D to improve control of Canada thistle and field bindweed.

## BETWEEN CROP APPLICATIONS







### Preplant Directions (Postharvest, Fallow, Crop Stubble, Set-Aside) for Broadleaf Weed Control:

FeXapan™ can be applied either postharvest in the fall, spring, or summer during the fallow period or to crop stubble/set-aside acres. Apply FeXapan™ as a broadcast or spot treatment to emerged and actively growing weeds after crop harvest (postharvest) and before a killing frost or in the fallow cropland or crop stubble the following spring or summer.

See the RESTRICTIONS section for the recommended [4] interval between application and planting to prevent crop injury.

### Rates and Timings:

Apply 5.5 – 44 fluid ounces of FeXapan™ per acre. Refer to Table 1 to determine use rates for specific targeted [5] weed species. For best performance, apply FeXapan™ when annual weeds are less than 4" tall, when biennial weeds are in the rosette stage and to perennial weed regrowth in late summer or fall following a mowing or tillage treatment. The most effective control of upright perennial broadleaf weeds [6] such as Canada thistle and Jerusalem artichoke occurs if FeXapan™

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|  | Number: 5<br>See comment above regarding Table 1                 | Author: dsunderl | Subject: Highlight     | Date: 7/9/2015 3:49:09 PM  |
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is applied when the majority of weeds have at least 4 - 6" of regrowth or for weeds such as field bindweed and hedge bindweed that are in or beyond the full bloom stage.

Avoid disturbing treated areas following application. Treatments may not kill weeds that develop from seed or underground plant parts such as rhizomes or bulblets, after the effective period for DuPont™ FeXapan™. For seedling control, a follow-up program or other cultural practices could be instituted. For small grain in-crop uses of FeXapan™, refer to the small grain section for details.

#### **Between Crop Tank Mixes**

In tank mixes with one or more of the following herbicides, apply 5.5 - 22 fluid ounces of FeXapan™ per acre for control of annual weeds, or 22 - 44 fluid ounces of FeXapan™ per acre for control of biennial and perennial weeds:

DuPont™ ALLY® XP  
"Amber"  
Atrazine  
"Curtail"  
"Cyclone"  
"Fallow Master"  
DuPont™ FINESSE®  
glyphosate

"Gramoxone"  
"Kerb"  
"Landmaster" BW  
"Paramount"  
"Sencor"  
"Tordon" 22K  
"Touchdown"  
2,4-D

#### **CORN (FIELD, POP, SEED, AND SILAGE)**

Direct contact of FeXapan™ with corn seed must be avoided. If corn seeds are less than 1.5" inches below the surface, delay application until corn has emerged.

Applications of FeXapan™ to corn during periods of rapid growth may result in temporary leaning. Corn will usually become erect within 3 to 7 days. Cultivation should be delayed until after corn is growing normally to avoid breakage.

Corn may be harvested or grazed for feed once the crop has reached the ensilage (milk) stage or later in maturity.

Up to 2 applications of FeXapan™ may be made during a growing season. Sequential applications must be separated by 2 weeks or more.

Do not apply FeXapan™ to seed corn or popcorn without first verifying with your local seed corn company (supplier) the selectivity of FeXapan™ on your inbred line or variety of popcorn. This precaution will help avoid potential injury of sensitive varieties.

Avoid using crop oil concentrates after crop emergence as crop injury may result. Use crop oil concentrates only in dry conditions when corn is less than 5" tall and when applying FeXapan™ alone or tank mixed with atrazine.

Use of sprayable fluid fertilizer as the carrier is not recommended for applications of FeXapan™ made after corn emergence.

<sup>3</sup> FeXapan™ is not registered for use on sweet corn.

#### **Preplant and Preemergence Application in No-Tillage Corn:**

**Rates:** Apply 22 fluid ounces of FeXapan™ per acre on medium- or fine-textured soils containing 2.5% or greater organic matter. Use 11 fluid ounces per acre on coarse soils (sand, loamy sand, and sandy loam) or medium- and fine-textured soils with less than 2.5% organic matter.

**Timing:** FeXapan™ can be applied to emerging weeds before, during, or after planting a corn crop. When planting into a legume sod (e.g., alfalfa or clover), apply FeXapan™ after 4 - 6" of regrowth has occurred.

#### **Preemergence Application in Conventional or Reduced Tillage Corn:**

**Rates:** Apply 22 fluid ounces of FeXapan™ per treated acre on medium- or fine-textured soils containing 2.5% organic matter or more. Do not apply to coarse textured soils (sand, loamy sand, or sandy loam) of any soil with less than 2.5% organic matter until after corn emergence (See Early Postemergence uses below).

**Timing:** FeXapan™ may be applied after planting and prior to corn emergence. Pre-emergence application of FeXapan™ does not require mechanical incorporation to become active. A shallow mechanical incorporation is recommended if application is not followed by adequate rainfall or sprinkler irrigation. Avoid tillage equipment (e.g., drags, harrows) which concentrates treated soil over seed furrow as seed damage could result.

Preemergence control of cocklebur, jimsonweed, and velvetleaf may be reduced if conditions such as low temperature or lack of soil moisture cause delayed or deep germination of weeds.

#### **Early Postemergence Application in All Tillage Systems:**

**Rates:** Apply 22 fluid ounces of FeXapan™ per treated acre. Reduce the rate to 11 fluid ounces per treated acre if corn is growing on coarse textured soils (sand, loamy sand, and sandy loam).

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state the annual maximum application rate

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**Timing:** Apply between corn emergence and the 5-leaf stage or 8" tall, whichever occurs first. Refer to Late Postemergence Applications if the sixth true leaf is emerging from whorl or corn is greater than 8" tall.

### **Late Postemergence Application:**

**Rate:** Apply 11 fluid ounces of DuPont™ FeXapan™ per treated acre.

**Timing:** Apply FeXapan™ from 8 - 36" tall corn or 15 days before tassel emergence, whichever comes first. For best performance, apply when weeds are less than 3" tall.

Apply directed spray when corn leaves prevent proper spray coverage, sensitive crops are growing nearby, or tank mixing with 2,4-D. Do not apply FeXapan™ when soybeans are growing nearby if any of these conditions exist:

- corn is more than 24" tall
- soybeans are more than 10" tall
- soybeans have begun to bloom

### **Corn Tank Mixes Or Sequential Uses**

When using tank mix or sequential applications with FeXapan™, always follow the companion product label to determine specific use rates by soil types, weed species, and weed or crop growth stage. In addition, follow precautions and restrictions including state and local use restrictions that may apply to specific products.

Apply FeXapan™ prior to, in tank mix with, or after one or more of the following herbicide brands:

|                         |                           |
|-------------------------|---------------------------|
| DuPont™ ACCENT®         | "Hornet" <sup>1</sup>     |
| Atrazine                | "Laddok"                  |
| "Axiom"                 | "Lasso"                   |
| "Banvel"™               | DuPont™ LEADOFF®          |
| DuPont™ BASIS® Blend    | "Liberty"™ <sup>2</sup>   |
| "Beacon"™               | "Lightning"™ <sup>4</sup> |
| "Bicep"                 | "Outlook"                 |
| DuPont™ BREAKFREE® NXT  | "Permit"                  |
| "Bullet"                | "Princep"                 |
| DuPont™ CINCH®          | "Prowl"                   |
| "Degree"                | "Python"                  |
| "Degree Xtra"           | DuPont™ RESOLVE®          |
| "Dual"                  | "Spirit"                  |
| "Exceed"™ <sup>1</sup>  | "Stinger"™ <sup>1</sup>   |
| "FulTime"               | "Surpass"                 |
| glyphosate <sup>3</sup> | "TopNotch"                |
| "Gramoxone" Inteon      | "Touchdown"               |
| "Guardsman"             | 2,4-D <sup>1</sup>        |
| "Harness"               |                           |

<sup>1</sup> See Table 3. Specific Guidelines for Tank Mixes or Sequential Use Programs for additional limitations or restrictions that apply for tank mix or sequential use programs with these products.

<sup>2</sup> Use only on "Liberty Link" (glufosinate tolerant) corn hybrids.

<sup>3</sup> Includes postemergence use on "Roundup Ready" (glyphosate tolerant) corn hybrids.

<sup>4</sup> Use only "Clearfield" (imidazolinone tolerant) corn hybrids.

**Table 3. Specific Guidelines for Tank Mixes or Sequential Use Programs**


| <b>Tank Mix Partner</b>  | <b>Rate Per Acre</b>   |
|--|--|
| ACCENT® or "Beacon"  | When tank mixing, applications immediately following extreme day or night temperature fluctuations or applications when daytime temperatures do not exceed 50° F may result in decreased weed control or crop injury. Delay application until the temperatures warm and both weeds and crop resume normal growth.  |
| 2,4-D  | To provide maximum crop safety after corn emergence, use this tank mix only after corn is greater than 8" tall and when application can be made with drop pipes that direct spray beneath corn leaves and away from the whorl of the corn. The maximum rate of 2,4-D recommended in this tank mix is 0.25 pints per acre (0.125 pounds of acid equivalent per acre).                   |
| "Exceed",<br>"Spirit",<br>"Stinger",<br>"Hornet", or<br>"Permit" | For improved control of velvetleaf, tank mix 0.25-0.5 ounce of "Exceed", 0.5 ounce of "Spirit", or 0.17-0.33 ounce "Permit" per acre with FeXapan™. For improved control of Canada thistle, "Stinger" at 1.5-3 fluid ounces per acre or "Hornet" at 0.6-1.2 ounces per acre may be tank mixed with FeXapan™. Use the higher rate in the range for heavier infestations of these weeds. |

## **COTTON**


### **Preplant Application:**

Apply up to 11 fluid ounces of FeXapan™ per acre to control emerged broadleaf weeds prior to planting cotton in conventional or conservation tillage systems.

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For best performance, apply DuPont™ FeXapan™ when weeds are in the 2 - 4 leaf stage and rosettes are less than 2" across.

Following application of FeXapan™ and a minimum accumulation of 1" of rainfall or overhead irrigation, a waiting interval of 21 days is required per 11 fluid ounces per acre or less. These intervals must be observed prior to planting cotton.

Do not apply preplant to cotton west of the Rockies.

Do not make FeXapan™ preplant applications to cotton in geographic areas with average annual rainfall less than 25".

If applying a spring preplant treatment following application of a fall preplant (postharvest) treatment, then the combination of both treatments may not exceed 2 pounds acid equivalent per acre.

#### **Cotton Tank Mixes**

For control of grasses or additional broadleaf weeds, FeXapan™ may be tank mixed with "Caparol", "Gramoxone" Inteon and glyphosate.

#### **GRASS GROWN FOR SEED**

Apply 11 - 22 fluid ounces of FeXapan™ per treated acre on seedling grass after the crop reaches the 3 -5 leaf stage. Apply up to 44 fluid ounces of FeXapan™ on well-established perennial grass. For best performance, apply FeXapan™ when weeds are in the 2 - 4 leaf stage and rosettes are less than 2" across. Use the higher level of listed rate ranges when treating more mature weeds or dense vegetative growth.

To suppress annual grasses such as brome (downy and ripgut), rattail fescue, and windgrass, apply up to 44 fluid ounces of FeXapan™ per treated acre in the fall or late summer after harvest and burning of established grass seed crops.

Applications should be made immediately following the first irrigation when the soil is moist and before weeds have more than 2 leaves.

Do not apply FeXapan™ after the grass seed crop begins to joint.

Refer to the Pasture, Hay, Rangeland, and General Farmstead section for grazing and feeding restrictions.

#### **Grass Seed Tank Mixes**

FeXapan™ may be applied in tank mixes with one or more of the following herbicide brands:

"Buctril"  
"Curtail"  
DuPont™ EXPRESS®  
"Karmex"

MCPA amine  
"Stinger"  
2,4-D amine or ester

#### **PROSO MILLET**

For use only within Colorado, Nebraska, North Dakota, South Dakota, and Wyoming.

FeXapan™ combined with 2,4-D will provide control or suppression of the annual broadleaf weeds listed in WEEDS CONTROLLED section.

Apply 5.5 fluid ounces of FeXapan™ with 0.375 pounds a.i. of 2,4-D. Apply the tank mix of FeXapan™ + 2,4-D as a broadcast or spot treatment to emerged and actively growing weeds and when proso millet is in the 2 - 5 leaf stage. Use directions for 2,4-D products vary with manufacturers. Refer to a 2,4-D product with labeling consistent with the crop stage timing for FeXapan™. Some types of proso millet may be affected adversely by a tank mix of FeXapan™ + 2,4-D.

Do not apply unless possible proso millet crop injury will be acceptable.

Restrictions for proso millet that is grazed or cut for hay are indicated in Table 4 in the Pasture, Hay, Rangeland, and General Farmstead section of this label.

#### **PASTURE, HAY, RANGELAND, AND GENERAL FARMSTEAD (NONCROPLAND)**

FeXapan™ ~~is recommended for use~~ <sup>(1)</sup> pasture, hay, rangeland, and general farmstead (non-cropland) (including fencerows and non-irrigation ditchbanks) for control or suppression of broadleaf weed and brush species listed in the WEEDS CONTROLLED section.


FeXapan™ may also be applied to non-cropland areas to control broadleaf weeds in noxious weed control programs, districts, or areas including broadcast or spot treatment of roadsides and highways, utilities, railroad, and pipeline rights-of-way. Noxious weeds must be recognized at the state level, but programs may be administered at state, county, or other level.

<sup>(2)</sup> FeXapan™ uses described in this section also pertain to grasses and small grains (forage sorghum, rye, sudangrass, or wheat) grown for grass, forage, fodder, hay and/or pasture use only. Grasses and small grains not grown for grass, forage, fodder, hay and/or pasture must comply with crop-specific uses in this label. Some perennial weeds may be controlled with lower rates of either FeXapan™ or FeXapan™ plus 2,4-D (refer to Table 1).

#### **Rates and Timings**


Refer to Table 1 for rate selection based on targeted weed or brush species. Some weed species will require tank mixes for adequate control.

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may be used on

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Rates above 44 fluid ounces of DuPont™ FeXapan™ per acre are for spot treatments only. Spot treatment is defined as no more than a total of 1000 square feet of treated area per acre. Do not broadcast apply more than 44 fluid ounces per acre. Retreatments may be made as needed; however, do not exceed a total of 44 fluid ounces of FeXapan™ per treated acre during a growing season.

Grass grown for hay requires a 7-day wait period between application and harvest.

#### **Crop-Specific Restrictions**

Do not apply more than 22 fluid ounces of FeXapan™ per acre to small grains grown for pasture.

Newly seeded areas may be severely injured if more than 22 fluid ounces of FeXapan™ is applied per acre.

Established grass crops growing under stress can exhibit various injury symptoms that may be more pronounced if herbicides are applied. Bentgrass, carpetgrass, buffalograss, and St. Augustingrass may be injured if more than 22 fluid ounces of FeXapan™ is applied per acre. Usually colonial bentgrasses are more tolerant than creeping types. Velvetgrasses are most easily injured. Treatments will kill or injure alfalfa, clovers, lespedeza, wild winter peas, vetch, and other legumes.

Table 4 lists the timing restrictions for grazing or harvesting hay from treated fields. There are no grazing restrictions for animals other than lactating dairy animals.

**Table 4. Timing Restrictions for Lactating Dairy Animals Following Treatment**

| <b>FeXapan™ Rate per Treated Acre<br/>(fluid ounces)</b> | <b>Days Before Grazing (days)</b> | <b>Days Before Hay Harvest (days)</b> |
|--|-----------------------------------|---------------------------------------|
| Up to 22   | 7                                 | 37                                    |
| Up to 44   | 21                                | 51                                    |
| Up to 88 (for spot treatment only).                      | 40                                | 70                                    |

- **Spot Treatments:** FeXapan™ may be applied to individual clumps or small areas of undesirable vegetation using handgun or similar types of application equipment. Apply diluted sprays to allow complete wetting (up to runoff) of foliage and stems.

#### **Cut Surface Treatments:**

FeXapan™ may be applied as a cut surface treatment for control of unwanted trees and prevention of sprouts of cut trees.

**Rate:** Mix 1 part FeXapan™ with 1 - 3 parts water to create the application solution. Use the lower dilution rate when treating difficult-to-control species.

- **For Frill or Girdle Treatments:** Make a continuous cut or a series of overlapping cuts using an axe to girdle tree trunk. Spray or paint the cut surface with the solution.
- **For Stump Treatments:** Spray or paint freshly cut surface with the water mix. The area adjacent to the bark should be thoroughly wet.

**Note:** For more rapid foliar effects, 2,4-D may be added to the solution.

#### **Applications For Control of Dormant Multiflora Rose:**

FeXapan™ can be applied when plants are dormant as an undiluted spot treatment directly to the soil or as a Lo-Oil basal bark treatment using an oil-water emulsion solution.

- **Spot treatments:** Spot treatment applications of FeXapan™ should be applied directly to the soil as close as possible to the root crown but within 6 - 8" of the crown. On sloping terrain, apply FeXapan™ to the uphill side of the crown. Do not apply when snow or water prevents applying FeXapan™ directly to the soil. The use rate of FeXapan™ depends on the canopy diameter of the multiflora rose.

Examples: Use 0.34, 1.38, or 3.23 fluid ounces of FeXapan™ respectively, for 5, 10, or 15 feet canopy diameters.

- **Lo-Oil basal bark treatments:** For Lo-Oil basal bark treatments, apply FeXapan™ to the basal stem region from the ground line to a height of 12 - 18". Spray until runoff, with special emphasis on covering the root crown. For best results, apply FeXapan™ when plants are dormant. Do not apply after bud break or when plants are showing signs of active growth. Do not apply when snow or water prevents applying FeXapan™ to the ground line.

To prepare approximately 2 gallons of a Lo-Oil spray solution:

- 1) Combine 1.5 gallons of water, 1 ounce of emulsifier, 22 fluid ounces of FeXapan™, and 2.5 pints of No. 2 diesel fuel.
- 2) Adjust the amounts of materials used proportionately to the amount of final spray solution desired.

Do not exceed 8 gallons of spray solution mix applied per acre, per year.

## **Pasture Tank Mixes**

DuPont™ FeXapan™ may be applied in tank mixes with one or more of the following herbicide brands:

|                    |                    |
|--------------------|--------------------|
| "Amber"            | glyphosate         |
| DuPont™ CIMARRON®  | "Gramoxone" Inteon |
| "Crossbow"         | "Stinger"          |
| "Curtail"          | "Tordon" 22K       |
| DuPont™ ESCORT® XP | 2,4-D              |
| "Garlon"           |                    |

## **CONSERVATION RESERVE PROGRAM (CRP)**

FeXapan™ is recommended for use on both newly seeded and established grasses grown in Conservation Reserve or federal Set-Aside Programs. Treatments of FeXapan™ will injure or may kill alfalfa, clovers, lespedeza, wild winter peas, vetch, and other legumes.

### **Newly Seeded Areas**

FeXapan™ may be applied either preplant or postemergence to newly seeded grasses or small grains such as barley, oats, rye, sudangrass, wheat, or other grain species grown as a cover crop. Postemergence applications may be made after seedling grasses exceed the 3-leaf stage. Rates of FeXapan™ greater than 22 fluid ounces per treated acre may severely injure newly seeded grasses.

Preplant applications may injure new seedlings if the interval between application and grass planting is less than 45 days per 22 fluid ounces of FeXapan™ applied per treated acre west of the Mississippi River or 20 days per 22 fluid ounces applied east of the Mississippi River.

### **Established Grass Stands**

Established grass stands are perennial grasses planted one or more seasons prior to treatment. Certain species (bentgrass, carpetgrass, smooth brome, buffalograss, or St. Augustinegrass) may be injured when treated with more than 22 fluid ounces of FeXapan™ per treated acre.

When applied at recommended rates, FeXapan™ will control many annual and biennial weeds and provide control or suppression of many perennial weeds.

### **Rates and Timings**

Apply 5.5 - 44 fluid ounces of FeXapan™ per acre. Refer to Table 1 for rates based on target weed species. FeXapan™ may be tank mixed or applied sequentially with other products labeled for use in Conservation Reserve Programs such as atrazine, "Cyclone", glyphosate, "Gramoxone" Inteon, or 2,4-D. Retreatments may be made as needed; however, do not exceed a total of 88 fluid ounces (5.5 pints) of FeXapan™ per acre per year.

## **SMALL GRAINS NOT UNDERSEED TO LEGUMES (FALL- AND SPRING-SEEDING BARLEY, OAT, TRITICALE AND WHEAT)**

FeXapan™ combinations with listed tank mix partners will provide control or suppression of the annual broadleaf weeds listed in the WEEDS CONTROLLED section. For improved control of listed weeds, tank mix FeXapan™ with one or more of the herbicides listed.

FeXapan™ used in a tank mix with other herbicides offers the best spectrum of weed control and herbicide tolerant or resistant weed management. Refer to the specific section crop for FeXapan™ application rate and timing.

For applications prior to weed emergence or when sulfonylurea-resistant weeds are present or suspected, tank mix a minimum of 4.12 fluid ounces of FeXapan™ per treated acre with a non-sulfonylurea herbicide such as 2,4-D or MCPA. Tank mixing FeXapan™ with these products will offer more consistent control of sulfonylurea-resistant weeds.

**Additives:** When tank mixing FeXapan™ with sulfonylurea herbicide brands (DuPont™ ALLY®, "Amber", DuPont™ EXPRESS®, DuPont™ FINESSE®, DuPont™ GLEAN®, DuPont™ HARMONY® and "Peak"), use an agriculturally approved surfactant as indicated in the Surfactants and Adjuvants section of this label.

Refer to the specific crop sections below for use rates. When treating difficult to control weeds such as kochia, wild buckwheat, cow cockle, prostrate knotweed, Russian thistle, and prickly lettuce or when dense vegetative growth occurs, use the 4.12 - 5.5 fluid ounces of FeXapan™ per acre.

**Timings:** Apply FeXapan™ before, during, or after planting small grains. See specific small grain crop uses below for maximum crop stage. For best performance, apply FeXapan™ when weeds are in the 2 - 3 leaf stage and rosettes are less than 2" across. Applying FeXapan™ to small grains during periods of rapid growth may result in crop leaning. This condition is temporary and will not reduce crop yields.


Restrictions for small grain areas that are grazed or cut for hay are indicated in Table 4 in Pasture, Hay, Rangeland, and General Farmstead section of this label.

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## SMALL GRAINS: BARLEY (FALL- AND SPRING-SEEDED)

### Early season applications:

Apply 2.75 – 5.5 fluid ounces of DuPont™ FeXapan™ to fall-seeded barley prior to the jointing stage. Apply 2.75 – 4.12 fluid ounces of FeXapan™ before spring-seeded barley exceeds the 4-leaf stage.

Note: For spring barley varieties that are seeded during the winter months or later, follow the rates and timings given for spring-seeded barley.

Do not tank mix FeXapan™ with 2,4-D in early season applications on spring-seeded barley.

### Preharvest applications:

FeXapan™ can be used to control weeds that may interfere with harvest of fall and spring-seeded barley. Apply 11 fluid ounces of FeXapan™ per acre as a broadcast or spot treatment to annual broadleaf weeds when barley is in the hard dough stage and the green color is gone from the nodes (joints) of the stem. Best results will be obtained if application can be made when weeds are actively growing, but before weeds canopy.

A waiting interval of 7 days is required before harvest. Do not use preharvest-treated barley for seed unless a germination test is performed on the seed with an acceptable result of 95% germination or better.

For control of additional broadleaf weeds or grasses, FeXapan™ may be tank mixed with other herbicides, such as 2,4-D, that are labeled for preharvest uses in barley.

Do not make preharvest applications in California.

### Barley Tank Mixes

Table 5.

| Tank Mix Partner*                 | Rate Per Acre   |
|-----------------------------------|---|
| DuPont™ ALLY® XP                  | 0.05 - 0.1 ounce <sup>1</sup>                                 |
| "Amber"                           | 0.14 - 0.28 ounce <sup>1</sup>                                |
| "Bronate"                         | 0.75 - 1.5 pints  |
| "Buctril"                         | 1 - 1.5 pints   |
| DuPont™ EXPRESS®                  | 0.083 - 0.167 ounce <sup>1</sup>                              |
| DuPont™ FINESSE®                  | 0.167 - 0.33 ounce <sup>1</sup>                               |
| DuPont™ GLEAN®                    | 0.167 ounce <sup>1</sup>                                      |
| DuPont™ HARMONY® Extra            | 0.167 - 0.33 ounce <sup>1</sup>                               |
| MCPA amine or ester               | 8 - 12 fluid ounces <sup>2</sup><br>(0.25 - 0.375 pound a.e.) |
| Metribuzin ("Sencor")             | 0.125 - 0.47 pound a.i.                                       |
| 2,4-D amine or ester <sup>3</sup> | 8 fluid ounces<br>(0.25 pound a.e.)                           |

\* Follow all tank mix partners' labeling for use rates, precautions and restrictions.

<sup>1</sup> Do not use low rates of sulfonylureas (Ally, Amber, Express, Finesse, Glean, and Harmony Extra) on more mature weeds or on dense vegetative growth.

<sup>2</sup> When using formulations other than 4 pounds per gallon use pounds of a.e. per acre listed.

<sup>3</sup> This tank mix is for fall-seeded barley only

## SMALL GRAINS: OATS (FALL- AND SPRING-SEEDED)

### Early season applications:

Apply 2.75 – 5.5 fluid ounces of FeXapan™ per acre to fall-seeded oat prior to the jointing stage. Apply 2.75 – 5.5 fluid ounces of FeXapan™ before spring-seeded oat exceed the 5-leaf stage.

FeXapan™ may be tank mixed with MCPA amine or ester for applications in oat.

Do not tank mix FeXapan™ with 2,4-D in oat.

## SMALL GRAINS: TRITICALE (FALL- AND SPRING-SEEDED)

### Early season applications:

Apply 2.75 – 5.5 fluid ounces of FeXapan™ to triticale.

Early season applications to fall-seeded triticale must be made prior to the jointing stage.

Early season applications to spring-seeded triticale must be made before triticale reaches the 6-leaf stage.

### Triticale Tank Mixes:

<sup>1</sup> For best performance, should be used in tank mix combination with bromoxynil herbicide.



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## SMALL GRAINS: WHEAT (FALL- AND SPRING-SEEDED)

### Early Season Applications:

Apply 2.75 – 5.5 fluid ounces of DuPont™ FeXapan™ to wheat unless using one of the fall-seeded wheat specific programs below.

Early season applications to fall-seeded wheat must be made prior to the jointing stage.

Early season applications to spring-seeded wheat must be made before wheat exceeds the 6-leaf stage.

Early developing wheat varieties such as TAM 107, Madison, or Wakefield must receive application between early tillering and the jointing stage. Care should be taken in staging these varieties to be certain that the application occurs prior to the jointing stage.

To improve control of Russian thistle, flaxweed, gromwell, or mayweed, add 2,4-D amine or ester to a tank mix with one of the following herbicide brands: DuPont™ ALLY®, “Amber”, DuPont™ EXPRESS®, DuPont™ FINESSE®, DuPont™ GLEAN®, DuPont™ HARMONY®, or “Peak”.

### Specific use programs for fall-seeded wheat only:

FeXapan™ may be used at 8.25 fluid ounces on fall-seeded wheat in Western Oregon as a spring application only. In Colorado, Kansas, New Mexico, Oklahoma, and Texas, up to 11 fluid ounces of FeXapan™ may be applied on fall-seeded wheat after it exceeds the 3-leaf stage for suppression of perennial weeds, such as field bindweed. Applications may be made in the fall following a frost but before a killing freeze. FeXapan™ may be tank mixed with 2,4-D amine at 11 fluid ounces after wheat begins to tiller. Periods of extended stress such as cold and wet weather may enhance the possibility of crop injury. For fall applications only, do not use if the potential for crop injury is not acceptable.

### Preharvest applications:

FeXapan™ can be used to control weeds that may interfere with harvest of wheat. Apply 11 fluid ounces FeXapan™ per acre as a broadcast or spot treatment to annual broadleaf weeds when wheat is in the hard dough stage and the green color is gone from the nodes (joints) of the stem. Best results will be obtained if application can be made when weeds are actively growing but before weeds canopy.

A waiting interval of 7 days is required before harvest. Do not use preharvest-treated wheat for seed unless a germination test is performed on the seed with an acceptable result of 95% germination or better.

For control of additional broadleaf weeds or grasses, FeXapan™ herbicide may be tank mixed with other herbicides such as ALLY®, glyphosate and 2,4-D. Do not make preharvest applications in California.

### Wheat Tank Mixes

Table 6.

| Tank Mix Partner*                  | Rate Per Acre                                    |
|------------------------------------|--|
| ALLY® XP                           | 0.05 - 0.1 ounce <sup>1</sup>                    |
| “Amber”                            | 0.14 - 0.28 ounce <sup>1</sup>                   |
| “Bronate”                          | 0.75 - 1.5 pints                                 |
| “Buctril”                          | 1 - 1.5 pints                                    |
| “Curtail”                          | 2 - 2.67 pints                                   |
| “Dakota”                           | 16 fluid ounces                                  |
| EXPRESS®                           | 0.083 - 0.167 ounce <sup>1</sup>                 |
| FINESSE®                           | 0.167 - 0.33 ounce <sup>1</sup>                  |
| GLEAN®                             | 0.167 ounce <sup>1</sup>                         |
| HARMONY®                           | 0.167 - 0.33 ounce <sup>1</sup>                  |
| “Karmex” <sup>3</sup>              | 0.5 - 1.5 pounds                                 |
| Glyphosate <sup>4</sup>            | 12 - 16 fluid ounces                             |
| MCPA amine or ester <sup>5</sup>   | 8 - 12 fluid ounces<br>(0.25 - 0.375 pound a.e.) |
| Metribuzin <sup>3</sup> (“Sencor”) | 0.25 - 0.375 pound a.i.                          |
| “Peak” <sup>1</sup>                | 0.25 - 0.38 ounce                                |
| “Stinger”                          | 4 - 5.33 fluid ounces                            |
| “Tiller” <sup>2</sup>              | 1 - 1.7 pints                                    |
| 2,4-D amine or ester <sup>1</sup>  | 8 - 12 fluid ounces<br>(0.25 - 0.375 pound a.e.) |

\* Follow all tank mix partners' labeling for use rates, precautions and restrictions.

<sup>1</sup> Do not use low rates of sulfonylurea herbicides, such as ALLY®, “Amber”, EXPRESS®, FINESSE®, GLEAN®, HARMONY®, and “Peak” on more mature weeds or on dense vegetative growth.

<sup>2</sup> Do not use FeXapan™ as a tank mix treatment with “Dakota” or “Tiller” on Durum wheat. Do not tank mix with “Tiller” if wild oat is the target weed.

<sup>3</sup> Tank mixes with “Karmex” and metribuzin are for use in fall-seeded wheat only.

- <sup>4</sup> A tank mix of up to 5.5 fluid ounces of DuPont™ FeXapan™ with any <sup>1</sup> glyphosate formulation labeled for use as a preplant application to small grains may be applied with no waiting period prior to planting.
- <sup>5</sup> Up to 44 fluid ounces of (1.0 pound a.e.) may be used on fall-seeded wheat if crop injury is acceptable. When using formulations other than 4 pounds per gallon, use the pounds of a.e. per acre listed.

## **SORGHUM**

FeXapan™ may be applied preplant, postemergence, or preharvest in sorghum to control many annual broadleaf weeds and to reduce competition from established perennial broadleaf weeds, as well as control their seedlings.

Do not graze or feed treated sorghum forage or silage prior to mature grain stage. If sorghum is grown for pasture or hay, refer to Pasture, Hay, Rangeland, and General Farmstead section of this label for specific grazing and feeding restrictions.

Do not apply FeXapan™ to sorghum grown for seed production.

### **Preplant Application:**

Up to 11 fluid ounces of FeXapan™ may be applied per acre if applied at least 15 days before sorghum planting.

### **Postemergence Application:**

Up to 11 fluid ounces of FeXapan™ per acre may be applied after sorghum is in the spike stage (all sorghum emerged) but before sorghum is 15" tall. For best performance, apply FeXapan™ when the sorghum crop is in the 3 - 5 leaf stage and weeds are small (less than 3" tall). Use drop pipes (drop nozzles) if sorghum is taller than 8". Keep the spray off the sorghum leaves and out of the whorl to reduce the likelihood of crop injury and to improve spray coverage of weed foliage. Applying FeXapan™ to sorghum during periods of rapid growth may result in temporary leaning of plants or rolling of leaves. These effects are usually outgrown within 10 - 14 days.

**Preharvest uses in Texas and Oklahoma only:** Up to 11 fluid ounces of FeXapan™ per acre may be applied for weed suppression any time after the sorghum has reached the soft dough stage. An ~~agriculturally approved~~ <sup>2</sup> surfactant may be used to improve performance. Delay harvest until 30 days after a preharvest treatment.

### **Split Application:**

FeXapan™ may be applied in split applications: preplant followed by postemergence or preharvest; or postemergence followed by preharvest. Do not exceed 11 fluid ounces per acre, per application or a total of 22 ounces per acre, per season.

### **Sorghum Tank Mixes and Sequential Treatments**

FeXapan™ may be applied prior to, in a tank mix with, or after one or more of the following herbicide brands:

Atrazine  
"Basagran"  
"Bicep"  
"Buctril"  
DuPont™ CINCH®  
"Cyclone"  
"Dual"  
"Fallow Master"  
glyphosate  
"Gramoxone" Inteon  
"Guardman"

"Laddok"  
"Landmaster"  
"Outlook"  
"Paramount"  
"Peak"  
"Permit"  
"Roundup"

## **SOYBEAN**

### **Preplant Applications:**

Apply 5.5 -22 fluid ounces of FeXapan™ per acre to control emerged broadleaf weeds prior to planting soybeans. Do not exceed 22 fluid ounces of FeXapan™ per acre in a spring application prior to planting soybeans.

Following application of FeXapan™ and a minimum accumulation of 1" rainfall or overhead irrigation, a waiting interval of 14 days is required for 11 fluid ounces per acre or less, and 28 days for 22 fluid ounces per acre. These intervals must be observed prior to planting soybeans or crop injury may occur.

Do not make FeXapan™ preplant applications to soybeans in geographic areas with average annual rainfall less than 25".

### **Preharvest Applications:**

FeXapan™ can be used to control many annual and perennial broadleaf weeds and control or suppress many biennial and perennial broadleaf weeds in soybean prior to harvest. Apply 11 - 44 fluid ounces of FeXapan™ per acre as a broadcast or spot treatment to emerged and actively growing weeds after soybean pods have reached mature brown color and at least 75% leaf drop has occurred.


Do not harvest soybeans until 7 days after application.

Treatments may not kill weeds that develop from seed or underground plant parts, such as rhizomes or bulblets, after the effective period for FeXapan™. For seedling control, a follow-up program or other cultural practice could be instituted.

Do not use preharvest-treated soybean for seed unless a germination test is performed on the seed with an acceptable result of 95% germination or better.


Do not feed soybean fodder or hay following a preharvest application of FeXapan™.

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EPA approved agricultural

Do not make preharvest applications in California.

#### **Soybean Tank Mixes**

#### **Preplant Tank Mixes:**

DuPont™ FeXapan™ may be tank mixed with other herbicides registered for early preplant use in soybeans including burndown herbicides such as glyphosate (glyphosate) and 2,4-D or residual herbicides brands such as DuPont™ CINCH®, “Outlook”, or “Dual”.

#### **Preharvest Tank Mixes:**

FeXapan™ may be tank mixed with other herbicides registered for preharvest use in soybeans such as glyphosate and “Gramoxone” Inteon.

#### **SUGARCANE**

Apply FeXapan™ for control of annual, biennial, or perennial broadleaf weeds listed in the WEEDS CONTROLLED section. Apply 11 - 33 fluid ounces of FeXapan™ per acre for control of annual weeds, 22 - 44 fluid ounces for control of biennial weeds, and 44 fluid ounces for control or suppression of perennial weeds.

Use the higher level of listed rate ranges when treating dense vegetative growth.

A single retreatment may be made as needed, however, do not exceed a total of 88 fluid ounces of FeXapan™ per treated acre during a growing season.

**Timing:** FeXapan™ may be applied to sugarcane any time after weeds have emerged, but before the close-in stage of sugarcane. Applications of 44 fluid ounces of FeXapan™ per acre made over the top of actively growing sugarcane may result in crop injury.

When possible, direct the spray beneath the sugarcane canopy to minimize the likelihood of crop injury. Using directed sprays will also help maximize the spray coverage of weed foliage.

#### **Sugarcane Tank Mixes**

FeXapan™ may be tank mixed with other products registered for use in sugarcane such as “Asulox”, atrazine, “Evik”, and 2,4-D.

#### **FARMSTEAD TURF (NONCROPLAND) AND SOD FARMS**

Do not use on residential sites.

For use in general farmstead (noncropland) and sod farms, apply 4.12 – 44 fluid ounces of FeXapan™ per acre to control or suppress growth of many annual, biennial, and some perennial broadleaf weeds commonly found in turf. FeXapan™ will also suppress many other listed perennial broadleaf weeds and woody brush and vine species. Refer to Table 1 for ~~rate recommendations~~ used on targeted weed or brush species and growth stage. Some weed species will require tank mixes for adequate control.

Repeat treatments may be made as needed; however, do not exceed 44 fluid ounces of FeXapan™ per acre, per growing season.

Apply 30 - 200 gallons of diluted spray per treated acre (3 - 17 quarts of water per 1,000 square feet), depending on density or height of weeds treated and on the type of equipment used.

To avoid injury to newly seeded grasses, delay application of FeXapan™ until after the second mowing. Furthermore, applying more than 16 fluid ounces of FeXapan™ per treated acre may cause noticeable stunting or discoloration of sensitive grass species such as bentgrass, carpetgrass, buffalograss, and St. Augustinegrass.

In areas where roots of sensitive plants extend, do not apply more than 5.5 fluid ounces of FeXapan™ per treated acre on coarse-textured (sandy-type) soils, or in excess of 8 fluid ounces per treated acre on fine-textured soils. Do not make repeat applications in these areas for 30 days and until previous applications of FeXapan™ have been activated in the soil by rain or irrigation.




#### **Farmstead Turf (noncropland) and Sod Farm Tank Mixes**

Apply 4.4 - 11 fluid ounces of FeXapan™ per acre in a tank mix with one of the products in Table 8 at the rates listed. Use the higher rates when treating established weeds.

**Table 7.**

| <b>Tank Mix Partner*</b> | <b>Rate Per Acre</b>  |
|--------------------------|-----------------------|
| bromoxynil (“Buctril”)   | 0.375 - 0.5 pound a.i |
| MCPA                     | 0.5 - 1.5 pounds a.e. |
| MCPP                     | 0.5 - 1.5 pounds a.e. |
| 2,4-D                    | 0.5 - 1.5 pounds a.e. |

\* Follow all tank mix partners’ labeling for use rates, precautions and restrictions.

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## WEEDS CONTROLLED

### 1 GENERAL WEED LIST

#### ANNUALS

|   |  |  |
|---|--|--|
| Alkanet<br>Amaranth, Palmer, Powell, Spiny<br>Aster, Slender<br>Bedstraw, Catchweed<br>Beggarweed, Florida<br>Broomweed, Common<br>Buckwheat, Tartary, Wild<br>Buffalobur<br>Burclover, California<br>Burcucumber<br>Buttercup, Corn, Creeping, Roughseed,<br>Western Field<br>Carpetweed<br>Catchfly, Nightflowering<br>Chamomile, Corn<br>Chevil, Bur<br>Chickweed, Common<br>Clovers<br>Cockle, Corn, Cow, White<br>Cocklebur, Common<br>Copperleaf, Hophornbeam<br>Cornflower (Bachelor Button)<br>Croton, Tropic, Woolly<br>Daisy, English<br>Dragonhead, American<br>Eveningprimrose, Cutleaf<br>Falseflax, Smallseed<br>Fleabane, Annual<br>Flixweed<br>Fumitory | Goosefoot, Nettleleaf<br>Hempnettle<br>Henbit<br>Jacobs-Ladder<br>Jimsonweed<br>Knawel (German Moss)<br>Knotweed, Prostrate<br>Kochia<br>Ladysthumb<br>Lambsquarters Common<br>Lettuce, Miners, Prickly<br>Mallow, Common, Venice<br>Maretail (Horseweed)<br>Mayweed<br>Morningglory, Ivyleaf, Tall<br>Mustard, Black, Blue, Tansy, Treacle,<br>Tumble, Wild, Yellowtops<br>Nightshade, Black, Cutleaf<br>Pennycress, Field (Fanweed, Frenchweed,<br>Stinkweed)<br>Pepperweed, Virginia (Peppergrass)<br>Pigweed, Prostrate, Redroot<br>(Carelessweed), Rough, Smooth, Tumble<br>Pineappleweed<br>Poorjoe<br>Poppy, Red-horned<br>Puncturevine<br>Purslane, Common | Pusley, Florida<br>Radish, Wild<br>Ragweed, Common, Giant (Buffaloweed),<br>Lance-Leaf<br>Rocket, London, Yellow<br>Rubberweed, Bitter (Bitterweed)<br>Salsify<br>Senna, Coffee<br>Sesbania, Hemp<br>Shepherdspurse<br>Sicklepod<br>Sida, Prickly (Teaweed)<br>Smartweed, Green, Pennsylvania<br>Sneezeweed, Bitter<br>Sowthistle, Annual, Spiny<br>Spanish Needles<br>Spikeweed, Common<br>Spurge, Prostrate, Leafy<br>Spurry, Corn<br>Starbur, Bristly<br>Starwort, Little<br>Sumpweed, Rough<br>Sunflower, Common (Wild), Volunteer<br>Thistle, Russian<br>Velvetleaf<br>Waterhemp, Common, Tall<br>Waterprimrose, Winged<br>Wormwood |
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#### BIENNIALS

|   |   |   |
|---|---|---|
| Burdock, Common<br>Carrot, Wild (Queen Anne's Lace)<br>Cockle, White<br>Eveningprimrose, Common<br>Geranium, Carolina | Gromwell<br>Knapweed, Diffuse, Spotted<br>Mallow, Dwarf<br>Plantain, Bracted<br>Ragwort, Tansy<br>Starthistle, Yellow | Sweetclover<br>Teasel<br>Thistle, Bull, Milk, Musk, Plumeless |
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### 2 PERENNIALS

|  |  |   |
|--|--|---|
| Alfalfa <sup>1</sup><br>Artichoke, Jerusalem<br>Aster, Spiny, Whiteheath<br>Bedstraw, Smooth<br>Bindweed, Field, Hedge<br>Blueweed, Texas<br>Bursage, Woollyleaf <sup>1</sup> (Bur Ragweed,<br>Povertyweed)<br>Buttercup, Tall<br>Campion, Bladder<br>Chickweed, Field, Mouseear<br>Chicory <sup>1</sup><br>Clover <sup>1</sup> , Hop<br>Dandelion <sup>1</sup> , Common<br>Sorrel <sup>1</sup> , Red (Sheep Sorrel)<br>Sowthistle <sup>1</sup> , Perennial<br>Spurge, Leafy<br>Sundrops<br>Thistle, Canada, Scotch<br>Toadflex, Dalmatian | Dock <sup>1</sup> Broadleaf (Bitterdock), Curly<br>Dogbane, Hemp<br>Dogfennel <sup>1</sup> (Cypressweed)<br>Fern, Bracken<br>Garlic, Wild<br>Goldenrod, Canada, Missouri<br>Goldenweed, Common<br>Hawkweed<br>Henbane, Black <sup>1</sup><br>Horsenettle, Carolina<br>Ironweed<br>Knapweed, Black, Diffuse, Russian <sup>1</sup> ,<br>Spotted<br>Tropical Soda Apple<br>Trumpetcreeper (Buckvine)<br>Vetch<br>Waterhemlock, Spotted<br>Waterprimrose, Creeping | Woodsorrel <sup>1</sup> , Creeping, Yellow<br>Wormwood, Absinth, Louisiana<br>Yankeeweed<br>Yarrow, Common <sup>1</sup> |
|--|--|---|

<sup>1</sup> Noted perennials may be controlled using lower rates of DuPont™ FeXapan™ than those recommended for other listed perennial weeds.

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**F** Number: 1 Author: dsunderl Subject: Cross-Out Date: 7/10/2015 4:00:43 PM

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**T** Number: 2 Author: dsunderl Subject: Highlight Date: 7/10/2015 4:06:28 PM  
a large portion of the weeds that are in the [REDACTED] label are not listed here, was this your intention?

---



## WOODY SPECIES

|                           |                                    |   |
|---------------------------|------------------------------------|---|
| Alder                     | Hawthorn (Thornapple) <sup>2</sup> | Plum, Sand (Wild Plum) <sup>2</sup>       |
| Ash                       | Hemlock                            | Poplar                                    |
| Aspen                     | Hickory                            | Rabbitbrush                               |
| Basswood                  | Honeylocust                        | Redcedar, Eastern <sup>2</sup>            |
| Beech                     | Honeysuckle                        | Rose <sup>2</sup> , McCartney, Multiflora |
| Birch                     | Hornbeam                           | Sagebrush, Fringed <sup>2</sup>           |
| Blackberry <sup>2</sup>   | Huckleberry                        | Sassafras                                 |
| Blackgum <sup>2</sup>     | Huisache                           | Serviceberry                              |
| Cedar <sup>2</sup>        | Ivy, Poison                        | Spicebush                                 |
| Cherry                    | Kudzu                              | Spruce                                    |
| Chinquapin                | Locust, Black                      | Sumac                                     |
| Cottonwood                | Maple                              | Sweetgum <sup>2</sup>                     |
| Creosotebush <sup>2</sup> | Mesquite                           | Sycamore                                  |
| Cucumbertree              | Oak                                | Tarbrush                                  |
| Dewberry <sup>2</sup>     | Oak, Poison                        | Willow                                    |
| Dogwood <sup>2</sup>      | Olive, Russian                     | Witchhazel                                |
| Elm                       | Persimmon, Eastern                 | Yaupon <sup>2</sup>                       |
| Grape                     | Pine                               | Yucca <sup>2</sup>                        |

<sup>2</sup> Growth suppression only

## SPRAY ADJUVANTS - ALL CROPS OR USES

Although not always required, a surfactant may be added to spray solutions of this product.

A quality nonionic surfactant (NIS) of at least 70% active may be added to the spray solution at 0.25 percent surfactant concentration (1 quart per 100 gallons of spray solution). Read and carefully observe all caution statements and other information on the surfactant label.

Do not add acidifying buffering agents, acidic pH adjusting agents or adjuvants other than agriculturally approved NIS to the spray solution.

Instead of NIS, oil concentrate surfactants such as crop oil concentrate (COC), high surfactant oil concentrate (HSOC) or methylated seed oil (MSO) may be used at 1 to 2 quarts/100 gallons (0.5% to 1% v/v), but at least 1 pint/acre. Do not use crop oil concentrates (COC) or methylated seed oils (MSO) as adjuvants when this product is applied with a Roundup Brand Agricultural Herbicide. When DuPont™ FeXapan™ is used with another herbicide that requires the use of a COC or MSO adjuvant follow the label instructions of that product.

A crop oil concentrate must contain either a petroleum or vegetable oil base and must meet all of the following criteria:

- be nonphytotoxic,
- contain only EPA-exempt ingredients,
- provide good mixing quality in the jar test, and
- be successful in local experience.

The exact composition of suitable products will vary; however, vegetable and petroleum oil concentrates should contain emulsifiers to provide good mixing quality. Highly refined vegetable oils have proven more satisfactory than unrefined vegetable oils.

[Optional label statement: Adjuvants containing crop oil concentrates may be used in preplant, pre-emergence, and preharvest application, as well as in pastures and noncropland. Do not use crop oil concentrate for postemergence in-crop applications unless specifically allowed in the Crop-Specific Information of this label or in separate supplemental labeling.]

### Drift Reduction Additives

Nozzle selection is one of the most important parameters for drift reduction. A drift reduction additive may be used with this product to further reduce fine droplets. Not all drift reduction additives are compatible with every nozzle type and pesticide / adjuvant combination. Check with the additive manufacturer to insure that the drift additive will work properly with the spray nozzle, spray pressure and your specific spray solution.

Read and carefully observe all precautions, limitations and all other information on the product label.

## CROP ROTATIONAL RESTRICTIONS

The interval between application of this product and the planting of other crops in a crop rotation program is given below. When counting days from the application of this product, do not count days when the ground is frozen. Planting at intervals less than specified in this section could result in crop injury. Moisture is essential for the degradation of this herbicide in soil. If dry weather prevails, use cultivation to allow herbicide contact with moist soil. Planting/replanting restrictions at application rates of 33 fluid ounces of this product per acre or less: Follow the planting restrictions in the directions for use for Preplant application in the Crop Specific Information section of this label. Do not plant barley, oat, wheat, and other grass seedings for 15 days for every 11 fluid ounces of this product applied per acre east of the Mississippi River and 22 days for every 11 fluid ounces per acre applied west of the Mississippi River. No planting restrictions apply beyond 120



days after application of this product. Planting/replanting restrictions at application rates of more than 33 fluid ounces and up to 88 fluid ounces of this product per acre: Wait a minimum of 120 days after application of this product before planting corn, sorghum and cotton east of the Rocky Mountains and before planting all other crops grown in areas receiving 30 inches or more rainfall annually. Wait a minimum of 180 days before planting crops in areas with less than 30 inches of annual rainfall. Wait a minimum of 30 days for every 22 fluid ounces of this product applied per acre before planting barley, oat, wheat, and other grass seedings east of the Mississippi River and 45 days for every 22 fluid ounces of this product applied per acre west of the Mississippi River.

## MIXING

### Compatibility Test for Mix Components

Before mixing components, always perform a compatibility jar test.

- For 20 gallons per acre spray volume, use 3.3 cups (800 mL) of water. For other spray volumes, adjust rates accordingly. Only use water from the intended source at the source temperature.
- Add components in the sequence indicated in the Mixing Order section below using 2 teaspoons for each pound or 1 teaspoon for each pint of labeled use rate per acre.
- Cap the jar and invert 10 cycles between component additions.
- When the components have all been added to the jar, let the solution stand for 15 minutes.
- Evaluate the solution for uniformity and stability. The spray solution should not have free oil on the surface; fine particles that precipitate to the bottom; or thick (clabbered) texture. If the spray solution is not compatible, repeat the compatibility test with the addition of a suitable compatibility agent. If the solution is then compatible, use the compatibility agent as directed on its label. If the solution is still incompatible, then do not mix the ingredients in the same tank.

### Mixing Order

1. Water - Begin by agitating a thoroughly clean sprayer tank three-quarters full of clean water.
2. Agitation - Maintain constant agitation throughout mixing and application.
3. Inductor - If an inductor is used, rinse it thoroughly after each component has been added.
4. Products in PVA bags - Place any product contained in water-soluble PVA bags into the mixing tank. Wait until all water-soluble PVA bags have fully dissolved and the product is evenly mixed in the spray tank before continuing.
5. Water-dispersible products (dry flowables, wettable powders, suspension concentrates, or suspo-emulsions)
6. Water-soluble products (such as DuPont™ FeXapan™)
7. Emulsifiable concentrates (such as oil concentrate when applicable)
8. Water-soluble additives (when applicable)
9. Remaining quantity of water.

Maintain constant agitation during application

## APPLICATION EQUIPMENT AND TECHNIQUES

DO NOT APPLY THIS PRODUCT USING AERIAL SPRAY EQUIPMENT.

FeXapan™ can be applied to actively growing weeds as broadcast, band, or spot spray applications using water or sprayable fertilizer as a carrier. Control weeds early when they are relatively small (less than 4 inches). Timely application to small weeds early in the season will improve control and reduce weed competition. Refer to table 1 for ~~general~~ FeXapan™ application rates for control or suppression by weed type and growth stage. For crop-specific application timing and other details, refer to the CROP-SPECIFIC INFORMATION section of this label.

APPLY THIS PRODUCT USING PROPERLY MAINTAINED AND CALIBRATED EQUIPMENT CAPABLE OF DELIVERING THE DESIRED VOLUMES.

**CULTIVATION** Do not cultivate within 7 days after applying this product.

### Ground Application (Banding)

When applying FeXapan™ by banding, determine the amount of herbicide and water volume needed using the following formula:

|                            |   |                           |   |                                 |
|----------------------------|---|---------------------------|---|---------------------------------|
| <u>Bandwidth in inches</u> | X | Broadcast rate per acre   | = | Banding herbicide rate per acre |
| Row width in inches        |   |                           |   |                                 |
| <u>Bandwidth in inches</u> | X | Broadcast volume per acre | = | Banding water volume per acre   |
| Row width in inches        |   |                           |   |                                 |



### Ground Application (Broadcast)

**Water Volume:** Use a minimum of 10 gallons of spray solution per broadcast acre for optimal performance. Use the higher spray volume (20 gallons per acre) when treating dense or tall vegetation.

**Application Equipment:** Select nozzles designed to produce minimal amounts of fine spray particles. Spray with nozzles as close to the weeds as practical for good weed coverage.

### Ground Application (Wipers)

DuPont™ FeXapan™ may be applied through wiper application equipment to control or suppress actively growing broadleaf weeds, brush and vines. Use a solution containing 1 part FeXapan™ to 1 part water. Do not apply greater than 1 lb dicamba acid equivalent (1 quart of this product) per acre per application. Do not contact desirable vegetation with herbicide solution. Wiper application may be made to crops (including pastures) and non-cropland areas described in this label with the exception of cotton, sorghum, and soybean.

### Proper Spray System Equipment Cleanout

Minute quantities of dicamba can cause injury to sensitive crops (see the "Sensitive Areas" section of this label for a listing of sensitive crops).

Clean equipment immediately after using this product, using a triple rinse procedure as follows:

1. After spraying, drain the sprayer (including boom and lines) immediately. Do not allow the spray solution to remain in the spray boom lines overnight prior to flushing.
2. Flush tank, hoses, boom and nozzles with clean water.
3. Inspect and clean all strainers, screens and filters.
4. Prepare a cleaning solution with a commercial detergent or sprayer cleaner or ammonia according to the manufacturer's directions.
5. Take care to wash all parts of the tank, including the inside top surface. Start agitation in the sprayer and thoroughly recirculate the cleaning solution for at least 15 minutes. All visible deposits must be removed from the spraying system.
6. Flush hoses, spray lines and nozzles for at least 1 minute with the cleaning solution.
7. Repeat above steps for two additional times to accomplish an effective triple rinse.
8. Remove nozzles, screens and strainers and clean separately in the cleaning solution after completing the above procedures.
9. Appropriately dispose of rinsate from steps 1-7 in compliance with all applicable laws and regulations.
10. Drain sump, filter and lines.
11. Rinse the complete spraying system with clean water.

All rinse water must be disposed of in compliance with local, state, and federal guidelines.

## SPRAY DRIFT MANAGEMENT

The interaction of many equipment- and weather-related factors determines the potential for spray drift. The applicator is responsible for considering all these factors when making application decisions. Avoiding spray drift is the responsibility of the applicator.

### IMPORTANCE OF DROPLET SIZE

The most effective drift management strategy is to apply the largest droplets which are consistent with pest control objectives. The presence of sensitive species nearby, the environmental conditions, and pest pressure may affect how an applicator balances drift control and coverage. Applying larger droplets reduces drift potential, but will not prevent drift if applications are made improperly or under unfavorable environmental conditions.

A droplet size classification system describes the range of droplet sizes produced by spray nozzles. The American Society of Agricultural and Biological Engineers (ASABE) provide a Standard that describes droplet size spectrum categories defined by a number of reference nozzles (fine, coarse, etc.). Droplet spectra resulting from the use of a specific nozzle may also be described in terms of volume mean diameter (VMD). Coarser droplet size spectra have larger VMD's and lower drift potential.

### CONTROLLING DROPLET SIZE - GROUND APPLICATION

- **Nozzle Type** - Select a nozzle type that is designed for the intended application. With most nozzle types, narrower spray angles produce larger droplets. The use of low-drift nozzles will reduce drift potential.
- **Pressure** - The lowest spray pressures recommended for the nozzle produce the largest droplets. Higher pressure reduces droplet size and does not improve canopy penetration. When higher flow rates are needed, using a higher-capacity nozzle instead of increasing pressure results in the coarsest droplet spectrum.

---

**T** Number: 1      Author: dsunderl      Subject: Inserted Text      Date: 7/10/2015 4:08:54 PM  
Use only spray nozzles that produce very coarse to ultra course spray droplets and minimal amounts of fine spray droplets as defined by ASABES-572.1.

---

**T** Number: 2      Author: dsunderl      Subject: Inserted Text      Date: 7/10/2015 7:27:26 AM  
that will deliver a spray volume of at least 10 GPA.

---

**T** Number: 3      Author: dsunderl      Subject: Inserted Text      Date: 7/10/2015 7:25:46 AM  
Do not use conventional flat fan nozzles that produce an excessive amount of driftable fines.

---

**T** Number: 4      Author: dsunderl      Subject: Inserted Text      Date: 7/10/2015 7:43:54 AM  
Adjust pressure for selected nozzle according to the nozzle manufacturer to maintain very course to ultra course droplets.

---

- **Flow Rate/Orifice Size** - Using the highest flow rate nozzles (largest orifice) that are consistent with pest control objectives reduces the potential for spray drift. Nozzles with higher rated flows produce coarser droplet spectra.

#### **APPLICATION HEIGHT**

- **Application Height (ground)** - Applications made at the lowest height consistent with pest control objectives, and that allow the applicator to keep the boom level with the application site and minimize bounce, will reduce the exposure of spray droplets to evaporation and wind, and reduce spray drift potential.

#### **WIND**

Drift potential is lowest when applications are made in light to gentle sustained winds (2-5 mph), which are blowing in a constant direction. Many factors, including droplet size and equipment type also determine drift potential at any given wind speed. **AVOID GUSTY OR WINDLESS CONDITIONS.**

Local terrain can also influence wind patterns. Every applicator is expected to be familiar with local wind patterns and how they affect spray drift.

#### **TEMPERATURE AND HUMIDITY**

Setting up equipment to produce larger droplets to compensate for droplet evaporation can reduce spray drift potential. Droplet evaporation is most severe when conditions are both hot and dry.

#### **SURFACE TEMPERATURE INVERSIONS**

Drift potential is high during a surface temperature inversion. Surface inversions restrict vertical air mixing, which may cause small suspended droplets to remain close to the ground and move laterally in a concentrated cloud. Surface inversions are characterized by increasing temperature with altitude and are common on nights with limited cloud cover and light to no wind. They begin to form as the sun sets and often continue into the morning. Mist or fog may indicate the presence of an inversion in humid areas. Inversions may also be identified by producing smoke and observing its behavior. Smoke that remains close to the ground, or moves laterally in a concentrated cloud under low wind conditions indicates a surface inversion. Smoke that moves upward and rapidly dissipates indicates good vertical air mixing.

#### **SHIELDED SPRAYERS**

Shielding the boom or individual nozzles can reduce the effects of wind. However, it is the responsibility of the applicator to verify that the shields are minimizing drift potential, and not interfering with uniform deposition of the product.

#### **AIR ASSISTED (AIR BLAST) FIELD CROP SPRAYERS**

Air assisted field crop sprayers carry droplets to the target via a downward directed air stream. Some may reduce the potential for drift, but if a sprayer is unsuitable for the application and/or set up improperly, high drift potential can result. It is the responsibility of the applicator to determine that a sprayer is suitable for the intended application, that it is configured properly, and that drift potential has been minimized.

**Note:** Air assisted field sprayers can affect product performance by affecting spray coverage and canopy penetration. Read the specific crop use and application equipment instructions to determine if an air assisted field crop sprayer can be used.

#### **SENSITIVE AREAS**

Sensitive areas include known habitat for threatened or endangered species, non-target sensitive crop, residential areas, and greenhouses. Applicators are required to ensure that they are aware of the proximity to sensitive areas, to avoid potential adverse effects from off-target movement of DuPont™ FeXapan™. The applicator must survey the application site for neighboring sensitive areas prior to application. The applicator also should consult sensitive crop registries for locating sensitive areas where available. Failure to follow the requirements in this label, could result in severe injury or destruction to desirable sensitive crops and trees, particularly beans, cotton, flowers, fruit trees, grapes, ornamentals, peas, potatoes, soybeans, sunflowers, tobacco, tomatoes, and other broadleaf plants when contacting their roots, stems or foliage.

#### **DRIFT CONTROL ADDITIVES**

Using product compatible drift control additives can reduce drift potential. When a drift control additive is used, read and carefully observe cautionary statements and all other information on the additive's label. If using an additive that increases viscosity, ensure that the nozzles and other application equipment will function properly with a viscous spray solution. Preferred drift control additives have been certified by the Chemical Producers and Distributors Association (CPDA).

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- 
- Number: 1 Author: dsunderl Subject: Sticky Note Date: 7/10/2015 4:09:20 PM  
include specifics from [REDACTED] regarding ground speed. -"Equipment Ground Speed. Select a ground speed less than 15 miles per hour that will deliver the desired spray volume while maintaining the desired spray pressure. Slower speeds generally result in better spray coverage and deposition on the target area."
- 
- Number: 2 Author: dsunderl Subject: Inserted Text Date: 7/10/2015 4:09:48 PM  
Spray at the appropriate boom height based on nozzle selection and nozzle spacing (not more than 24 inches above target pest or crop canopy). Set boom to lowest effective height over the target pest or crop canopy based on equipment manufacturer's directions. For example, the 110° series nozzle is preferred as it allows for the lowest boom height (maximum of 20 inches above the target pest or crop canopy). Automated boom height controllers are recommended with large booms to better maintain optimum nozzle to canopy height. Excessive boom height will increase the potential for spray drift.
- 
- Number: 3 Author: dsunderl Subject: Highlight Date: 7/10/2015 7:49:52 AM  
This section should include the specific instructions and table from the "Wind Speed and Direction" section of [REDACTED]
- 
- Number: 4 Author: dsunderl Subject: Inserted Text Date: 7/10/2015 3:59:31 PM  
If the wind speed is 3 miles per hour or less and fog is present, indicating a temperature inversion, do not apply this product.  
o If fog is not present, conduct a smoke test. Smoke that moves upward confirms there is no inversion present whereas smoke that layers and moves laterally in a concentrated cloud indicates a temperature inversion exists. Do not apply this product during a temperature inversion. Wait until the temperature has risen at least 3 degrees Fahrenheit from the morning low temperature or the wind speed is greater than 3 miles per hour to ensure that any inversion has lifted.  
• Do not spray this product when the wind is blowing in the direction of a sensitive area at a wind speed greater than 10 miles per hour.  
• For wind speed and direction restrictions for application of this product see the table below:  
(insert table from [REDACTED])
- 
- Number: 5 Author: dsunderl Subject: Inserted Text Date: 7/10/2015 7:45:51 AM  
3
- 
- Number: 6 Author: dsunderl Subject: Inserted Text Date: 7/10/2015 7:58:37 AM  
Do not apply during a temperature inversion.
- 
- Number: 7 Author: dsunderl Subject: Cross-Out Date: 7/10/2015 3:52:22 PM  
This type of application is not on the [REDACTED]



## STORAGE AND DISPOSAL

Proper pesticide storage and disposal are essential to protect against exposure to people and the environment due to leaks and spills, excess product or waste, and vandalism. Do not allow this product to contaminate water, foodstuffs, feed or seed by storage and disposal.

Open dumping is prohibited. This product may not be mixed, loaded, or used within 50 feet of all wells including abandoned wells, drainage wells, and sinkholes.

**PESTICIDE STORAGE:** Groundwater contamination may be reduced by diking and flooring of permanent liquid bulk storage sites with an impermeable material. Spillage or leakage should be contained and absorbed with clay granules, sawdust, or equivalent material for disposal.

Store in original container in a well-ventilated and away from food, pet food, feed, seed, fertilizers, and veterinary supplies. Avoid cross-contamination with other pesticides. Keep container closed to prevent spills and contamination.

**PESTICIDE DISPOSAL:** To avoid wastes, use all material in this container, including rinsate, by application according to label directions. If wastes cannot be avoided, offer remaining product to a waste disposal facility or pesticide disposal program. Such programs are often run by state or local governments or by industry. All disposal must be in accordance with applicable federal, state and local regulations and procedures.

**CONTAINER HANDLING:** Refer to the Net Contents section of this product's labeling for the applicable "Nonrefillable Container" or "Refillable Container" designation.

**Nonrefillable Rigid Plastic and Metal Containers (Capacity Equal to or Less Than 5 Gallons):** Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then, for Plastic Containers, offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration. Do not burn, unless allowed by state and local ordinances. For Metal Containers, offer for recycling if available or reconditioning if appropriate, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

**Nonrefillable Rigid Plastic and Metal Containers (Capacity Greater Than 5 Gallons):** Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then, for Plastic Containers, offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration. Do not burn, unless allowed by state and local ordinances. For Metal Containers, offer for recycling if available or reconditioning if appropriate, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

**Nonrefillable Rigid Plastic and Metal Containers, e.g., Intermediate Bulk Containers [IBC] (Size or Shape Too Large to be Tipped, Rolled or Turned Upside Down):** Nonrefillable container. Do not reuse or refill this container. Clean container promptly after emptying the contents from this container into application equipment or mix tank and before final disposal using the following pressure rinsing procedure. Insert a lance fitted with a suitable tank cleaning nozzle into the container and ensure that the water spray thoroughly covers the top, bottom and all sides inside the container. The nozzle manufacturer generally provides instructions for the appropriate spray pressure, spray duration and/or spray volume. If the manufacturer's instructions are not available, pressure rinse the container for at least 60 seconds using a minimum pressure of 30 PSI with a minimum rinse volume of 10% of the container volume. Drain, pour or pump rinsate into application equipment or rinsate collection system. Repeat this pressure rinsing procedure two more times. Then, for Plastic Containers, offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration. For Metal Containers, offer for recycling if available or reconditioning if appropriate, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

**All Refillable Containers:** Refillable container. Refilling Container: Refill this container with DuPont™ FeXapan™ herbicide containing dicamba only. Do not reuse this container for any other purpose. Cleaning before refilling is the responsibility of the refiller. Prior to refilling, inspect carefully for damage such as cracks, punctures, abrasions, worn out threads and closure devices. If damage is found, do not use container, contact DuPont at the number below for instructions. Check for leaks after refilling and before transporting. If leaks are found, do not reuse or transport container, contact DuPont at the number below for instructions. Disposing of Container: Do not reuse this container for any other purpose other than refilling (see preceding). Cleaning the container before final disposal is the responsibility of the person disposing of the container. To clean the container before final disposal, use the following pressure rinsing procedure. Insert a lance fitted with a suitable tank cleaning nozzle into the container and ensure that the water spray thoroughly covers the top, bottom and all sides inside the container. The nozzle manufacturer generally provides instructions for the appropriate spray pressure, spray duration and/or spray volume. If the manufacturer's instructions are not available, pressure rinse the container for at least 60 seconds using a minimum pressure of 30 PSI with a minimum rinse volume of 10% of the container volume. Drain, pour or pump rinsate into application equipment or rinsate collection system. Repeat this pressure rinsing procedure two more times. Then, for Plastic Containers, offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration. Do not burn, unless allowed by state and local ordinances. For Metal Containers, offer for recycling if available or reconditioning if appropriate, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

Do not transport if container is damaged or leaking. If the container is damaged, leaking or obsolete, or in the event of a major spill, fire or other emergency, contact DuPont at 1-800-441-3637, day or night.

**NOTICE TO BUYER:** Purchase of this material does not confer any rights under patents of countries outside of the United States.

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**D - 1936 022415**

## **LIMITATION OF WARRANTY AND LIABILITY**

**NOTICE:** Read this Limitation of Warranty and Liability Before Buying or Using This Product. DuPont Will Not Be Responsible for Losses or Damages Resulting from the Use of This Product in Any Manner Not Specifically Directed by DuPont. User Assumes All Risks Associated With Such Non-Directed Use.

If the Terms Are Not Acceptable, Return the Product at Once, Unopened, and the Purchase Price Will Be Refunded.

It is impossible to eliminate all risks associated with the use of this product. Such risks arise from weather conditions, soil factors, off target movement, unconventional farming techniques, presence of other materials, the manner of use or application, or other unknown factors, all of which are beyond the control of DuPont. These risks can cause: ineffectiveness of the product, crop injury, or injury to non-target crops or plants. **WHEN YOU BUY OR USE THIS PRODUCT, YOU AGREE TO ACCEPT THESE RISKS.**

DuPont warrants that this product conforms to the chemical description on the label thereof and is reasonably fit for the purpose stated in the Directions for Use, subject to the inherent risks described above, when used in accordance with the Directions for Use under normal conditions.

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, DUPONT MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR OF MERCHANTABILITY OR ANY OTHER EXPRESS OR IMPLIED WARRANTY. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, IN NO EVENT SHALL DUPONT OR SELLER BE LIABLE FOR ANY INCIDENTAL, CONSEQUENTIAL OR SPECIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT. BUYER'S OR USER'S BARGAINED-FOR EXPECTATION IS CROP PROTECTION. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER AND THE EXCLUSIVE LIABILITY OF DUPONT OR SELLER, FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY OR CONTRACT, NEGLIGENCE, TORT OR STRICT LIABILITY), WHETHER FROM FAILURE TO PERFORM OR INJURY TO CROPS OR OTHER PLANTS, AND RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT, OR AT THE ELECTION OF DUPONT OR SELLER, THE REPLACEMENT OF THE PRODUCT.

To the extent consistent with applicable law that allows such requirement, DuPont or its Ag Retailer must have prompt notice of any claim so that an immediate inspection of buyer's or user's growing crops can be made. Buyer and all users shall promptly notify DuPont or a DuPont Ag Retailer of any claims, whether based on contract, negligence, strict liability, other tort or otherwise, or be barred from any remedy.

This Limitation of Warranty and Liability may not be amended by any oral or written agreement.

For product information call: 1-888-6-DUPONT [1-888-638-7668]

Internet address: <http://cropprotection.dupont.com/>

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# PRIA 3 – 21 Day Content Screen Review Worksheet

(EPA/OPP Use Only)

September 2012

21 Day Screen Start Date: 3-3-15

Experts In-Processing Signature: B.B.

Date 3-11-15

Fee Paid: Yes ☒

Division management contacted on issues No ☐ Yes ☐ Date \_\_\_\_\_

| EPA Reg. Number: <u>352-ORG</u> |   | EPA Receipt Date: <u>3-3-15</u> |    |     |    |      |
|---------------------------------|---|---------------------------------|----|-----|----|------|
| Items for Review                |   |                                 |    | Yes | No | N/A* |
| 1                               | <b>Application Form</b> (EPA Form 8570-1) signed & complete including package type  |                                 |    | X   |    |      |
| 2                               | <b>Confidential Statement of Formula</b> all boxes completed, form signed, and dated (EPA Form 8570-4)  |                                 |    | X   |    |      |
|                                 | a) All <u>inerts</u> , including fragrances, approved for the proposed uses (see Footnote A) <u>N/A repack</u>                                  | yes                             | no |     |    |      |
| 3                               | <b>Certification with Respect to Citation of Data</b> (EPA Form 8570-34) completed and signed (N/A if 100% repack)                              |                                 |    |     |    | X    |
|                                 | Certificate and data matrix consistent  |                                 |    |     |    |      |
|                                 | If applicant is relying on data that are compensable, is the offer to pay statement included. (see Footnote B)                                  | yes                             | no |     |    |      |
|                                 | If applicable, is there a letter of Authorization for exclusive use only.   |                                 |    |     |    |      |
| 4                               | <b>Formulator's Exemption Statement</b> (EPA Form 8570-27) completed and signed (N/A if source is unregistered or applicant owns the technical) |                                 |    | X   |    |      |
|                                 | <b>Data Matrix</b> (EPA Form 8570-35) both internal and external copies (PR 98-5) completed and signed (N/A if 100% repack)                     |                                 |    |     |    | X    |
| 5                               | a) Selective Method (Fee category experts use)  | yes                             | no |     |    |      |
|                                 | b) Cite-All (Fee category experts use)  |                                 |    |     |    |      |
|                                 | c) Applicant owns all data (Fee category experts use)   |                                 |    |     |    |      |
| 6                               | <b>5 Copies of Label</b> ( <u>Electronic labels on CD</u> are encouraged and guidance is available)   |                                 |    | X   |    |      |
| 7                               | <b>Is the data package consistent with PR Notice 86-5</b>   |                                 |    |     |    | X    |
| 8                               | <b>Notice of Filing</b> included with petitions   |                                 |    |     |    | X    |

|    |  |  |  |   |
|----|--|--|--|---|
| 9  | If applicable for conventional applications, <u>reduced risk rationale</u> |  |  | X |
| 10 | <u>Required Data</u> and/or data waivers. See Footnote C.                  |  |  |   |
|    | a) List study (or studies) not included with application                   |  |  |   |

Comments:

Documentation : Pass

Required forms are complete

Incidents : N/A

100% repack

11-3 : N/A

No data to review

Status : Pass

KC 3/16/2015



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

March 10, 2015

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

OPP Decision Number: D-501382  
EPA File Symbol or Registration Number: 352-ORG  
Product Name: DUPONT FEXAPAN HERBICIDE  
EPA Receipt Date: 03-Mar-2015  
EPA Company Number: 352  
Company Name: E. I. DU PONT DE NEMOURS AND COMPANY (S300/419)

REBECCA ASHLEY  
E. I. DU PONT DE NEMOURS AND COMPANY  
1007 MARKET STREET  
WILMINGTON, DE 19898-0001

SUBJECT: Receipt of Registration Application Subject to Registration Service Fee

Dear Registrant:

The Office of Pesticide Programs has received your application and certification of payment. If you submitted data with this application, the results of the PRN-2011-3 screen will be communicated separately. During the administrative screen, the Office of Pesticide Programs has determined that this Action is subject to a Pesticide Registration Service Fee as defined in the Pesticide Registration Improvement Act.

The Action has been identified as Action Code: R300  
NEW PRODUCT;OR SIMILAR COMBINATION PRODUCT (ALREADY REGISTERED) TO AN IDENTICAL OR SUBSTANTIALLY SIMILAR IN COMPOSITION AND USE TO A REGISTERED PRODUCT;REGISTERED SOURCE OF ACTIVE INGREDIENT;NO DATA REVIEW ON ACUTE TOXICITY, EFFICACY OR CRP - ONLY PRODUCT CHEMISTRY DATA;CITE-ALL DATA CITATION, OR SELECTIVE DATA CITATION WHERE APPLICANT OWNS ALL REQUIRED DATA, OR APPLICANT SUBMITS SPECIFIC AUTHORIZATION LETTER FROM DATA OWNER;CATEGORY ALSO INCLUDES 100% RE-PACKAGE OF REGISTERED END-USE OR MANUFACTURING-USE PRODUCT THAT REQUIRES NO DATA SUBMISSION NOR DATA MATRIX;

No additional payment is due at this time.

If you have any questions, please contact the Pesticide Registration Service Fee Ombudsman at (703) 347-8961.

Sincerely,

A handwritten signature in cursive script, appearing to read "Teresa Downs", is written over the typed name.

Front End Processing Staff

Information Technology & Resources Management Division

# Fee for Service

79  
{9651569~

This package includes the following

☒ New Registration

☐ Amendment

☐ Studies? ☐ Fee Waiver?

☐ volpay % Reduction: \_\_\_\_

for Division

☐ AD

☐ BPPD

☒ RD

Risk Mgr. 23

Receipt No.

S-

965156

EPA File Symbol/Reg. No.

352-ORG

Pin-Punch Date:

3/3/2015

☐ This item is NOT subject to FFS action.

## Action Code:

Requested:

R300

Granted:

R300

Amount Due: \$ 1506.-

## Parent/Child Decisions:

☐ Inert Cleared for Intended Use

☐

Uncleared Inert in Product

Reviewer:

RBD

Date: 3/10/15

Remarks:





# Receipt for Section 3

S: 965156

Milestone Email: dupont.usregfee@usa.dupont.com

Regulatory Type: Product Registration - Section 3

Resubmission: ☐ Yes ☒ No

Application Type: New Registration

Fee For Service: ☒ Yes ☐ No

Billable: ☒ Yes ☐ No

Print Letter

Enter More Information

Tracking

Company: 352 E. I DU PONT DE NEMOURS AND COMPANY (S3)



Risk Manager: Registration Division, Risk Management Team 23

Product #: 352-ORG Product Name: DUPONT FEXAPAN HERBICIDE

Override#:

Me Too  
Section3:

Me Too Product  
Name:

Application Date: 27-Feb-2015



OPP Rec'd Date: 03-Mar-2015



Front End Date: 06-Mar-2015



Risk Manager Send Date: 10-Mar-2015



FFS Due Date: 24-Jul-2015

Negotiated Due Date:

OPP Target Date:

Fast Track: ☒

New Ingredient: ☐

Receipt Description:

Application for a 100% repack registration

New Ingredient

Request Date:

New Ingredient

Received Date:

Form A: ☐

Signature Date:

Form B: ☐

Signature Date:

Receipt Content

CSF

Paper Label

View/Edit

\*Product ingredient source information may be entitled to confidential treatment\*

**Receipt****Your payment is complete**

Pay.gov Tracking ID: 25K1GM4H

Agency Tracking ID: 74760959529

Form Name: Pesticide Registration Improvement Act - Prepayment

Application Name: PRIA Service Fees

**Payment Information**

Payment Type: Debit or credit card

Payment Amount: \$1,506.00

Transaction Date: 02/27/2015 02:10:53 PM EST

Payment Date: 02/27/2015

Registration Number:

Company Name: DuPont

Company Number: 352

Action Code: R-300

**Account Information**

Card Holder Name: Jack Cain

Billing Address: DuPont Stine Haskell

Billing Address 2: 1090 Elkton Road

City: Newark

Country: United States

State/Province: DE

ZIP/Postal Code: 197113507

Card Type: Visa

Card Number: \*\*\*\*\*9299

**Email Confirmation Receipt**

Confirmation Receipts have been emailed to:

rebecca.m.ashley@dupont.com

jack.cain@dupont.com



United States  
Environmental Protection Agency  
Washington, DC 20460

☒ Registration  
☐ Amendment  
☐ Other

OPP Identifier Number

## Application for Pesticide - Section I

|  |  |  |
|--|--|--|
| 1. Company/Product Number<br>352-XXX   | 2. EPA Product Manager<br>Kathryn Montague   | 3. Proposed Classification<br><input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted |
| 4. Company/Product (Name)<br>DuPont™ FeXapan™ Herbicide  | PM#<br>23  |  |
| 5. Name and Address of Applicant (Include ZIP Code)<br>E. I. du Pont de Nemours and Company<br>1007 Market Street<br>Wilmington, DE 19898 Attention: R. M. Ashley<br><br><input type="checkbox"/> Check if this is a new address | 6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to:<br>EPA Reg. No. _____<br>Product Name _____ |  |

## Section - II

|  |  |
|--|--|
| <input type="checkbox"/> Amendment - Explain below.                            | <input type="checkbox"/> Final printed labels in response to Agency letter dated _____ |
| <input type="checkbox"/> Resubmission in response to Agency letter dated _____ | <input type="checkbox"/> "Me Too" Application.   |
| <input type="checkbox"/> Notification - Explain below.                         | <input checked="" type="checkbox"/> Other - Explain below.                             |

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

Application for new registration. Attached are 5 copies of the draft label, a signed Formulator's Exemption Form, and a Confidential Statement of Formula. This registration is a 100% Re-pack of [REDACTED]

## Section - III

|   |  |   |                              |  |  |
|---|--|---|------------------------------|--|--|
| 1. Material This Product Will Be Packaged In:   |  |   |                              | 2. Type of Container   |  |
| Child-Resistant Packaging<br><input type="checkbox"/> Yes*<br><input checked="" type="checkbox"/> No  | Unit Packaging<br><input checked="" type="checkbox"/> Yes<br><input type="checkbox"/> No | Water Soluble Packaging<br><input type="checkbox"/> Yes<br><input checked="" type="checkbox"/> No |                              | <input type="checkbox"/> Metal   |  |
| * Certification must be submitted   |  | If "Yes" Unit Packaging wgt.<br>7.5 ounces  | No. per container<br>various | <input checked="" type="checkbox"/> Plastic  |  |
|   |  | If "Yes" Package wgt.   | No. per container<br>various | <input checked="" type="checkbox"/> Glass  |  |
|   |  |   |                              | <input checked="" type="checkbox"/> Paper  |  |
|   |  |   |                              | <input checked="" type="checkbox"/> Other (Specify) _____  |  |
| 3. Location of Net Contents Information<br><input checked="" type="checkbox"/> Label <input checked="" type="checkbox"/> Container  |  | 4. Size(s) Retail Container<br>Various  |                              | 5. Location of Label Directions<br><input type="checkbox"/> On Label<br><input checked="" type="checkbox"/> On Labeling accompanying product |  |
| 6. Manner in Which Label is Affixed to Product<br><input checked="" type="checkbox"/> Lithograph<br><input checked="" type="checkbox"/> Paper glued<br><input type="checkbox"/> Stenciled |  | <input checked="" type="checkbox"/> Other _____   |                              |  |  |

## Section - IV

|   |  |   |   |
|---|--|---|---|
| 1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)   |  |   |   |
| Name<br>Rebecca M. Ashley   |  | Title<br>U.S. Product Registration Manager          |   |
|   |  | Telephone No. (Include Area Code)<br>(302) 451-0829 |   |
| <b>Certification</b><br>I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete.<br>I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law. |  |   | 8. Date Application Received<br>(Stamped) |
| 2. Signature<br>  |  | 3. Title<br>U.S. Product Registration Manager       |   |
| 4. Typed Name<br>Rebecca M. Ashley  |  | 5. Date<br>2/27/2015                                |   |
|   |  |   |   |





United States  
Environmental Protection Agency  
Washington, DC 20460

**Formulator's Exemption Statement**  
(40 CFR 152.85)

**Applicant's Name and Address**

E. I. du Pont de Nemours and Company  
1007 Market Street  
Wilmington, DE 19898

Attention: Rebecca M. Ashley (S300/417)

**EPA File Symbol/Registration Number**

352-XXX

**Product Name**

DuPont™ FeXapan™ Herbicide

**Date of Confidential Statement of Formula (EPA Form 8570-4)**

February 25, 2015

As an authorized representative of the applicant for registration of the product identified above, I certify that:

(1) This product contains the following active ingredient(s):

Diglycolamine salt of dicamba

(2) Of these, each active ingredient listed in paragraph (4) is present solely as the result of the use of that active ingredient in the manufacturing, formulation or repackaging another product which contains that active ingredient which is registered under FIFRA Section 3, is purchased by us from another producer, and is labeled for at least each use for which my product is proposed to be labeled.

(3) Indicate by checking (A) or (B) below which paragraph applies:

☒ (A) An accurate Confidential Statement of Formula (EPA FORM 8570-4) for the above identified product is attached to this statement. That formula statement indicates, by company name, registration number, and product name, the source of the active ingredient(s) listed in paragraph (1).

OR

☐ (B) The Confidential Statement of Formula (CSF) (EPA Form 8570-4) referenced above and on file with the EPA is complete, current, and accurate and contains the information required on the current CSF.

(4) The following active ingredients in this product qualify for the formulator's exemption.

**Source**

| Active Ingredient             | Product Name | Registration Number |
|-------------------------------|--------------|---------------------|
| Diglycolamine salt of dicamba |              |                     |

**Signature****Name and Title**

Rebecca M. Ashley, Product Registration Manager

**Date**

2/27/2015





# DuPont™ FeXapan™

## HERBICIDE

GROUP

4

HERBICIDE

For weed control in asparagus, conservation reserve programs, corn, cotton, fallow croplands, general farmstead (noncropland), sorghum, grass grown for seed, hay, proso millet, pasture, rangeland, small grains, sod farms and farmstead turf, soybean, and sugarcane.

| Active Ingredient   | By Weight |
|---|-----------|
| Diglycolamine salt of dicamba<br>3,6-dichloro-o-anisic acid)* | 42.8%     |
| Other Ingredients   | 57.2%     |
| TOTAL   | 100.0%    |

\* contains 29.0%, 3,6-dichloro-o-anisic acid (2.9 pounds acid equivalent per U.S. gallon or 350 grams per liter).

EPA Reg. No. 352-XXX

EPA Est. No. \_\_\_\_\_

Nonrefillable Container

Net: \_\_\_\_\_

OR

Refillable Container

Net: \_\_\_\_\_

### KEEP OUT OF REACH OF CHILDREN

### CAUTION

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand this label, find someone to explain it to you in detail.)

#### FIRST AID

**IF IN EYES:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

**IF SWALLOWED:** Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything to an unconscious person.

**IF ON SKIN OR CLOTHING:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-441-3637 for emergency medical treatment information.

#### PRECAUTIONARY STATEMENTS

##### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

#### USER SAFETY RECOMMENDATIONS

Users should: Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

## PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemical-resistant to this product are nitrile rubber and butyl rubber. If you want more options, follow the instructions for Category C on an EPA chemical-resistance category selection chart.

**All mixers, loaders, applicators and other handlers must wear:**

- Long-sleeved shirt and long pants
- Chemical-resistant gloves
- Shoes plus socks.

See "Engineering Controls Statement" for additional requirements.

Follow the manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

**Engineering Control Statement:** When handlers use closed systems, or enclosed cabs in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

**IMPORTANT:** When reduced PPE is worn because a closed system is being used, handlers must be provided all PPE specified above for "all mixers, loaders, applicators and other handlers" and have such PPE immediately available for use in an emergency, such as a spill or equipment breakdown.

## ENVIRONMENTAL HAZARDS

Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters or rinsate. Apply this product only as directed on the label.

This chemical is known to leach through soil into ground water under certain conditions as a result of agricultural use. Use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in ground water contamination.

### GROUND AND SURFACE WATER PROTECTION

**Point source contamination** - To prevent point source contamination, do not mix or load this pesticide product within 50 feet of wells (including abandoned wells and drainage wells), sink holes, perennial or intermittent streams and rivers, and natural or impounded lakes and reservoirs. Do not apply pesticide product within 50 feet of wells. This setback does not apply to properly capped or plugged abandoned wells and does not apply to impervious pad or properly diked mixing/loading areas as described below.

Mixing, loading, rinsing, or washing operations performed within 50 feet of a well are allowed only when conducted on an impervious pad constructed to withstand the weight of the heaviest load that may be on or move across the pad. The pad must be self-contained to prevent surface water flow over or from the pad. The pad capacity must be maintained at 110% that of the largest pesticide container or application equipment used on the pad and have sufficient capacity to contain all product spills, equipment or container leaks, equipment wash waters, and rainwater that may fall on the pad. The containment capacity does not apply to vehicles delivering pesticide shipments to the mixing/loading site. States may have in effect additional requirements regarding wellhead setbacks and operational containment.

Care must be taken when using this product to prevent: a) back siphoning into wells, b) spills or c) improper disposal of excess pesticide, spray mixtures or rinsates. Check valves or anti-siphoning devices must be used on all mixing equipment.

**Movement by surface runoff or through soil** - Do not apply under conditions which favor runoff. Do not apply to impervious substrates such as paved or highly compacted surfaces in areas with high potential for ground water contamination. Ground water contamination may occur in areas where soils are permeable or coarse and ground water is near the surface. Do not apply to soils classified as sand with less than 3% organic matter and where ground water depth is shallow. To minimize the possibility of ground water contamination, carefully follow application rate recommendations as affected by soil type in the Crop Specific Information section of this label.

**Movement by water erosion of treated soil** - Do not apply or incorporate this product through any type of irrigation equipment nor by flood or furrow irrigation. Ensure treated areas have received at least one-half inch rainfall (or irrigation) before using tailwater for subsequent irrigation of other fields.

## ENDANGERED SPECIES CONCERNS

The use of any pesticide in a manner that may kill or otherwise harm an endangered species or adversely modify their habitat is a violation of federal law.

### PHYSICAL OR CHEMICAL HAZARDS

Do not store or heat near oxidizing agents, hazardous chemical reaction may occur.

## DIRECTIONS FOR USE

It is a violation of Federal law to use this product in any manner inconsistent with its labeling. This product can only be used in accordance with the Directions for Use on this label or in separately published DuPont supplemental labeling. Supplemental labeling can be obtained from your Authorized DuPont Retailer or DuPont Company Representative. This labeling must be in the user's possession during application.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulations.



## **AGRICULTURAL USE REQUIREMENTS**

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about Personal Protective Equipment (PPE), and restricted-entry intervals. The requirements in this box only apply to uses of this product that are covered by the WPS.

Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 24 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as, plants, soil, or water is:

- Coveralls worn over short-sleeved shirt and short pants
- Chemical-resistant footwear plus socks
- Chemical-resistant gloves made of any waterproof material
- Chemical-resistant headgear for overhead exposure
- Protective eyewear

## **NON-AGRICULTURAL USE REQUIREMENTS**

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

Do not enter or allow people (or pets) to enter the treated area until sprays have dried. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Do not enter or allow other people or pets to enter until sprays have dried.

## **PRODUCT INFORMATION**

Do not apply by air. This product is a water-soluble formulation intended for control and suppression of many annual, biennials, and perennial broadleaf weeds, as well as woody brush and vines listed in the WEEDS CONTROLLED section of this label. This product may be used for control of these weeds in asparagus, corn, cotton, conservation reserve programs, fallow cropland, grass grown for seed, hay, proso millet, pasture, rangeland, general farmstead (noncropland), small grains, sod farms and farmstead turf, sorghum, soybean, and sugarcane.

DuPont™ FeXapan™ is a postemergence, systemic herbicide which can have moderate residual control on small seeded broadleaf weeds, including waterhemp, lambsquarters and Palmer pigweed, depending on rainfall and soil type.

Refer to the CROP-SPECIFIC INFORMATION section for application timing and other crop-specific details.

FeXapan™ is readily absorbed by plants through shoot and root uptake, translocates throughout the plant's system, and accumulates in areas of active growth. FeXapan™ interferes with the plant's growth hormones (auxins) resulting in death of many broadleaf weeds.

[Optional label text: Do not add [Optional label text: surfactants, additives containing surfactants,] buffering agents or pH adjusting agents to the spray solution when FeXapan™ is the only pesticide being applied unless otherwise directed. See the MIXING section of this label for instructions regarding other additives.]

## **RESTRICTIONS**

**Maximum Application Rates:** The maximum application or use rates stated throughout this label are given in units of volume (fluid ounces or quarts) of this product per acre. However, the maximum allowed application rates apply to this product combined with the use of any and all other herbicides containing the active ingredients dicamba, whether applied separately or as a tank mixture, on a basis of total pounds of dicamba (acid equivalents) per acre. If more than one dicamba-containing product is applied to the same site within the same year, you must ensure that the total use of dicamba (pounds acid equivalents) does not exceed the maximum allowed. See the INGREDIENTS section of this label for necessary product information.

**Maximum seasonal use rate:** Refer to Table 2. Crop-Specific Restrictions for crop-specific maximum seasonal use rates. Do not exceed 88 fluid ounces of FeXapan™ (2 pounds acid equivalent) per acre, per year.

**Preharvest Interval (PHI):** Refer to the CROP-SPECIFIC INFORMATION section for preharvest intervals.

**Restricted Entry Interval (REI):** 24 hours

**Rainfast period:** Rainfall or irrigation occurring within 4 hours after postemergence applications may reduce the effectiveness of this product.

**Stress:** Do not apply to crops under stress due to lack of moisture, hail damage, flooding, herbicide injury, mechanical injury, insects, or widely fluctuating temperatures as injury may result.

Do not apply through any type of irrigation equipment. Do not treat irrigation ditches or water used for crop irrigation or domestic purposes.

## **WEED RESISTANCE MANAGEMENT**

Dicamba mimics auxin (a plant hormone) resulting in a hormone imbalance in susceptible plants that interferes with normal cell division, cell enlargement, and protein synthesis. Dicamba active ingredient is a Group 4 herbicide based on the mode of action classification system of the Weed Science Society of America. Any weed population can contain plants naturally resistant to Group 4 herbicides. Weed species resistant to Group 4 herbicides can be effectively managed utilizing another herbicide from a different Group, or by using other cultural or mechanical practices.

### **Weed Management Practices**

To minimize the occurrence of dicamba-resistant biotypes, observe the following weed management practices:

- Scout your fields before and after herbicide application.
- Start with a clean field, using either a burndown herbicide application or tillage.
- Control weeds early when they are relatively small (less than 4 inches).
- Incorporate other herbicides (e.g., a selective and/or a residual herbicide) and cultural practices (e.g., tillage or crop rotation) as part of your weed control system, where appropriate.
- Use the full recommended herbicide rate and proper application timing for the hardest to control weed species present in the field. Avoid tank mixtures with other herbicides that reduce the efficacy of this product (through antagonism), or with ones that encourage application rates of this product below those specified on this label.
- Control weed escapes before they reproduce by seed or proliferate vegetatively.
- Clean equipment before moving from field to field to minimize the spread of weed seed or plant parts.
- Use new commercial seed that is as free of weed seed as possible.
- Use good agronomic principles that enhance crop development and crop competitiveness.
- Report any incidence of repeated non-performance of this product on a particular weed to your DuPont representative, local retailer, or county extension agent.

### **Management of Dicamba-Resistant Biotypes**

Appropriate testing is critical in order to determine if a weed is resistant to dicamba. Contact your DuPont representative to determine if resistance in any particular weed biotype has been confirmed in your area, or visit on the Internet [www.weedscience.org](http://www.weedscience.org).

Since the occurrence of new dicamba-resistant weeds cannot be determined until after product use and scientific confirmation, DuPont is not responsible for any losses that result from the failure of this product to control dicamba-resistant weed biotypes.

The following good agronomic practices can reduce the spread of confirmed dicamba-resistant biotypes:

- If a naturally occurring resistant biotype is present in your field, this product may be tank-mixed or applied sequentially with an appropriately labeled herbicide with a different mode of action to achieve control.
- Cultural and mechanical control practices (e.g., crop rotation or tillage) can also be used as appropriate.
- Scout treated fields after herbicide application and control weed escapes, including resistant biotypes, before they set seed.
- Thoroughly clean equipment before leaving fields known to contain resistant biotypes.

## **INTEGRATED PEST MANAGEMENT**

This product may be used as part of an Integrated Pest Management (IPM) program that can include biological, cultural, and genetic practices aimed at preventing economic pest damage. IPM principles and practices include field scouting or other detection methods, correct target pest identification, population monitoring, and treating when target pest populations reach locally determined action thresholds. Consult your state cooperative extension service, professional consultants or other qualified authorities to determine appropriate action treatment threshold levels for treating specific pest/crop systems in your area.

## APPLICATION INFORMATION

**Table 1. DuPont™ FeXapan™ Application Rates for Control or Suppression by Weed Type and Growth Stage**

Use rate limitations are given in the RESTRICTIONS AND CROP SPECIFIC INFORMATION sections.

| Weed Type and Stage         | Rate Per Acre        | Weed Type and Stage   | Rate Per Acre        |
|-----------------------------|----------------------|---|----------------------|
| <b>Annual<sup>1</sup></b>   |                      | <b>Perennial</b>  |                      |
| Small, actively growing     | 11 – 22 fluid ounces | Top growth suppression                                      | 11 – 22 fluid ounces |
| Established weed growth     | 22 – 33 fluid ounces | Top growth control and root suppression                     | 22 – 44 fluid ounces |
|                             |                      | Noted perennials (footnote 1 in Crop-specific information). | 44 fluid ounces      |
|                             |                      | Other perennials <sup>3</sup>                               | 44 fluid ounces      |
| <b>Biennial</b>             |                      | <b>Woody Brush &amp; Vines</b>                              |                      |
| Rosette diameter 1 – 3"     | 11 – 22 fluid ounces | Top growth suppression                                      | 22 – 44 fluid ounces |
| Rosette diameter 3" or more | 22 – 44 fluid ounces | Top growth control <sup>2,3</sup>                           | 44 fluid ounces      |
| Bolting                     | 44 fluid ounces      | Stems and stem suppression <sup>3</sup>                     | 44 fluid ounces      |

<sup>1</sup> Rates below 11 fluid ounces per acre may provide control or suppression but should typically be applied with other herbicides that are effective on the same species and biotype.

<sup>2</sup> Species noted in Table 1 will require tank mixes for adequate control.

<sup>3</sup> Do not broadcast apply more than 44 fluid ounces per acre in any single application. One sequential application of up to 44 fluid ounces may be required for adequate control. Use the higher level listed rate ranges when treating dense vegetative growth or perennial weeds with well established root growth.

### Tank Mixtures

This product may be tank-mixed with other registered herbicides to provide longer residual weed control, a broader weed control spectrum or an alternate mode of action. Always read and follow label directions for all products in the tank mixture.

Some tank-mix products have the potential to cause crop injury under certain conditions, at certain growth stages and/or under other circumstances. Read the label for all products to be used in the tank mixture prior to use to determine the potential for crop injury.

Tank mixtures with other herbicides, insecticides, fungicides, miticides, additives, micronutrients or foliar fertilizers could result in reduced weed control, physical incompatibility or crop injury. DuPont has not tested all tank-mix product formulations for compatibility, antagonism or reduction in product performance. Unless prohibited by law, buyer and all users are solely responsible for any and all loss or damage in connection with the use or handling of mixtures of this product with herbicides or other materials that are not expressly specified on this label or in separate supplemental labeling or Fact Sheets published for this product.

Refer to the tank mix product labels to confirm that the respective tank mix products are registered for the specific crop use. Refer to all individual product labels, supplemental labeling and Fact Sheets for all products in the tank mixture, and observe all precautions and limitations on the label, including application timing restrictions, soil restrictions, minimum re-cropping intervals and rotational guidelines. Use according to the most restrictive precautionary statements for each product in the tank mixture. See the CROP-SPECIFIC INFORMATION section for more details.

Always predetermine the compatibility of all tank-mix products together in the carrier by mixing small proportional quantities in advance.

Apply this product or tank mixtures with this product at a minimum spray volume rate of 10 GPA.

Do not apply in tank mixtures with "Lorsban" insecticide.

**Table 2. Crop-Specific Restrictions<sup>1</sup>**

| Crop   | Maximum Rate Per Acre Per Application (fl oz) | Maximum In-Crop Rate Pre Acre Per Season (fl oz) | Livestock Grazing or Feeding |
|--|---|--|------------------------------|
| Asparagus  | 22  | 22   | Yes                          |
| Barley: Fall   | 11  | 16.5   | Yes                          |
| Spring   | 11  | 15   | Yes                          |
| Conservation Reserve Program (CRP)                               | 44  | 88   | Yes <sup>2</sup>             |
| Corn   | 22  | 33   | Yes                          |
| Cotton   | 11  | 11   | Yes                          |
| Fallow Ground  | 44  | 88   | Yes                          |
| Grass grown for seed   | 44  | 88   | Yes                          |
| Oats   | 5.5   | 5.5  | Yes                          |
| Pastureland  | 44  | 44   | Yes                          |
| Proso Millet   | 5.5   | 5.5  | Yes                          |
| Small grains grown for grass, forage, fodder, hay and/or pasture | 22  | 22   | Yes                          |
| Sorghum  | 11  | 22   | Yes                          |
| Soybean  | 44  | 44   | Yes                          |
| Sugarcane  | 44  | 88   | Yes                          |
| Triticale  | 5.5   | 5.5  | Yes                          |
| Sod farms and farmstead turf                                     | 44  | 44   | Yes                          |
| Wheat  | 11  | 22   | Yes                          |

<sup>1</sup> Refer to CROP-SPECIFIC INFORMATION for more details.

<sup>2</sup> Once the crop reaches the ensilage (milk) stage or later in maturity

## CROP-SPECIFIC INFORMATION

### ASPARAGUS

Apply DuPont™ FeXapan™ to emerged and actively growing weeds in 40 - 60 gallons of diluted spray per treated acre immediately after cutting the field, but at least 24 hours before the next cutting. Multiple applications may be made per growing season.

If spray contacts emerged spears, crooking (twisting) of some spears may result. If such crooking occurs, discard affected spears.

Rates: Apply 11-22 fluid ounces of FeXapan™ to control annual sowthistle, black mustard, Canada and Russian thistle, and redroot pigweed (carelessweed).

Apply 22 fluid ounces of FeXapan™ to control common chickweed, field bindweed, nettleleaf goosefoot, and wild radish. Up to 2 applications may be made per growing season. Do not exceed a total of 22 fluid ounces of FeXapan™ per treated acre, per crop year.

Do not harvest prior to 24 hours after treatment.

Do not use in the Coachella Valley of California.

### Asparagus Tank Mixes

Apply 11-22 fluid ounces of FeXapan™ with glyphosate or 2,4-D to improve control of Canada thistle and field bindweed.

## BETWEEN CROP APPLICATIONS

### Preplant Directions (Postharvest, Fallow, Crop Stubble, Set-Aside) for Broadleaf Weed Control:

FeXapan™ can be applied either postharvest in the fall, spring, or summer during the fallow period or to crop stubble/set-aside acres. Apply FeXapan™ as a broadcast or spot treatment to emerged and actively growing weeds after crop harvest (postharvest) and before a killing frost or in the fallow cropland or crop stubble the following spring or summer.

See the RESTRICTIONS section for the recommended interval between application and planting to prevent crop injury.

### Rates and Timings:

Apply 5.5 – 44 fluid ounces of FeXapan™ per acre. Refer to Table 1 to determine use rates for specific targeted weed species. For best performance, apply FeXapan™ when annual weeds are less than 4" tall, when biennial weeds are in the rosette stage and to perennial weed regrowth in late summer or fall following a mowing or tillage treatment. The most effective control of upright perennial broadleaf weeds such as Canada thistle and Jerusalem artichoke occurs if FeXapan™

is applied when the majority of weeds have at least 4 - 6" of regrowth or for weeds such as field bindweed and hedge bindweed that are in or beyond the full bloom stage.

Avoid disturbing treated areas following application. Treatments may not kill weeds that develop from seed or underground plant parts such as rhizomes or bulblets, after the effective period for DuPont™ FeXapan™. For seedling control, a follow-up program or other cultural practices could be instituted. For small grain in-crop uses of FeXapan™, refer to the small grain section for details.

### **Between Crop Tank Mixes**

In tank mixes with one or more of the following herbicides, apply 5.5 - 22 fluid ounces of FeXapan™ per acre for control of annual weeds, or 22 - 44 fluid ounces of FeXapan™ per acre for control of biennial and perennial weeds:

DuPont™ ALLY® XP  
"Amber"  
Atrazine  
"Curtail"  
"Cyclone"  
"Fallow Master"  
DuPont™ FINESSE®  
glyphosate

"Gramoxone"  
"Kerb"  
"Landmaster" BW  
"Paramount"  
"Sencor"  
"Tordon" 22K  
"Touchdown"  
2,4-D

### **CORN (FIELD, POP, SEED, AND SILAGE)**

Direct contact of FeXapan™ with corn seed must be avoided. If corn seeds are less than 1.5" inches below the surface, delay application until corn has emerged.

Applications of FeXapan™ to corn during periods of rapid growth may result in temporary leaning. Corn will usually become erect within 3 to 7 days. Cultivation should be delayed until after corn is growing normally to avoid breakage.

Corn may be harvested or grazed for feed once the crop has reached the ensilage (milk) stage or later in maturity.

Up to 2 applications of FeXapan™ may be made during a growing season. Sequential applications must be separated by 2 weeks or more.

Do not apply FeXapan™ to seed corn or popcorn without first verifying with your local seed corn company (supplier) the selectivity of FeXapan™ on your inbred line or variety of popcorn. This precaution will help avoid potential injury of sensitive varieties.

Avoid using crop oil concentrates after crop emergence as crop injury may result. Use crop oil concentrates only in dry conditions when corn is less than 5" tall and when applying FeXapan™ alone or tank mixed with atrazine.

Use of sprayable fluid fertilizer as the carrier is not recommended for applications of FeXapan™ made after corn emergence.

FeXapan™ is not registered for use on sweet corn.

#### **Preplant and Preemergence Application in No-Tillage Corn:**

**Rates:** Apply 22 fluid ounces of FeXapan™ per acre on medium- or fine-textured soils containing 2.5% or greater organic matter. Use 11 fluid ounces per acre on coarse soils (sand, loamy sand, and sandy loam) or medium- and fine-textured soils with less than 2.5% organic matter.

**Timing:** FeXapan™ can be applied to emerging weeds before, during, or after planting a corn crop. When planting into a legume sod (e.g., alfalfa or clover), apply FeXapan™ after 4 - 6" of regrowth has occurred.

#### **Preemergence Application in Conventional or Reduced Tillage Corn:**

**Rates:** Apply 22 fluid ounces of FeXapan™ per treated acre on medium- or fine-textured soils containing 2.5% organic matter or more. Do not apply to coarse textured soils (sand, loamy sand, or sandy loam) of any soil with less than 2.5% organic matter until after corn emergence (See Early Postemergence uses below).

**Timing:** FeXapan™ may be applied after planting and prior to corn emergence. Pre-emergence application of FeXapan™ does not require mechanical incorporation to become active. A shallow mechanical incorporation is recommended if application is not followed by adequate rainfall or sprinkler irrigation. Avoid tillage equipment (e.g., drags, harrow) which concentrates treated soil over seed furrow as seed damage could result.

Preemergence control of cocklebur, jimsonweed, and velvetleaf may be reduced if conditions such as low temperature or lack of soil moisture cause delayed or deep germination of weeds.

#### **Early Postemergence Application in All Tillage Systems:**

**Rates:** Apply 22 fluid ounces of FeXapan™ per treated acre. Reduce the rate to 11 fluid ounces per treated acre if corn is growing on coarse textured soils (sand, loamy sand, and sandy loam).

**Timing:** Apply between corn emergence and the 5-leaf stage or 8" tall, whichever occurs first. Refer to Late Postemergence Applications if the sixth true leaf is emerging from whorl or corn is greater than 8" tall.

#### **Late Postemergence Application:**

**Rate:** Apply 11 fluid ounces of DuPont™ FeXapan™ per treated acre.

**Timing:** Apply FeXapan™ from 8 - 36" tall corn or 15 days before tassel emergence, whichever comes first. For best performance, apply when weeds are less than 3" tall.

Apply directed spray when corn leaves prevent proper spray coverage, sensitive crops are growing nearby, or tank mixing with 2,4-D. Do not apply FeXapan™ when soybeans are growing nearby if any of these conditions exist:

- corn is more than 24" tall
- soybeans are more than 10" tall
- soybeans have begun to bloom

#### **Corn Tank Mixes Or Sequential Uses**

When using tank mix or sequential applications with FeXapan™, always follow the companion product label to determine specific use rates by soil types, weed species, and weed or crop growth stage. In addition, follow precautions and restrictions including state and local use restrictions that may apply to specific products.

Apply FeXapan™ prior to, in tank mix with, or after one or more of the following herbicide brands:

|                         |                          |
|-------------------------|--------------------------|
| DuPont™ ACCENT®         | "Hornet" <sup>1</sup>    |
| Atrazine                | "Laddok"                 |
| "Axiom"                 | "Lasso"                  |
| "Banvel" <sup>1</sup>   | DuPont™ LEADOFF®         |
| DuPont™ BASIS® Blend    | "Liberty" <sup>2</sup>   |
| "Beacon" <sup>1</sup>   | "Lightning" <sup>3</sup> |
| "Bicep"                 | "Outlook"                |
| DuPont™ BREAKFREE® NXT  | "Permit"                 |
| "Bullet"                | "Princep"                |
| DuPont™ CINCH®          | "Prowl"                  |
| "Degree"                | "Python"                 |
| "Degree Xtra"           | DuPont™ RESOLVE®         |
| "Dual"                  | "Spirit"                 |
| "Exceed" <sup>1</sup>   | "Stinger" <sup>1</sup>   |
| "FullTime"              | "Surpass"                |
| glyphosate <sup>3</sup> | "TopNotch"               |
| "Gramoxone" Inteon      | "Touchdown"              |
| "Guardman"              | 2,4-D <sup>1</sup>       |
| "Harness"               |                          |

<sup>1</sup> See Table 3. Specific Guidelines for Tank Mixes or Sequential Use Programs for additional limitations or restrictions that apply for tank mix or sequential use programs with these products.

<sup>2</sup> Use only on "Liberty Link" (glufosinate tolerant) corn hybrids.

<sup>3</sup> Includes postemergence use on "Roundup Ready" (glyphosate tolerant) corn hybrids.

<sup>4</sup> Use only "Clearfield" (imidazolinone tolerant) corn hybrids.

**Table 3. Specific Guidelines for Tank Mixes or Sequential Use Programs**

| <b>Tank Mix Partner</b>  | <b>Rate Per Acre</b>   |
|--|--|
| ACCENT® or "Beacon"  | When tank mixing, applications immediately following extreme day or night temperature fluctuations or applications when daytime temperatures do not exceed 50° F may result in decreased weed control or crop injury. Delay application until the temperatures warm and both weeds and crop resume normal growth.  |
| 2,4-D  | To provide maximum crop safety after corn emergence, use this tank mix only after corn is greater than 8" tall and when application can be made with drop pipes that direct spray beneath corn leaves and away from the whorl of the corn. The maximum rate of 2,4-D recommended in this tank mix is 0.25 pints per acre (0.125 pounds of acid equivalent per acre).                   |
| "Exceed",<br>"Spirit",<br>"Stinger",<br>"Hornet", or<br>"Permit" | For improved control of velvetleaf, tank mix 0.25-0.5 ounce of "Exceed", 0.5 ounce of "Spirit", or 0.17-0.33 ounce "Permit" per acre with FeXapan™. For improved control of Canada thistle, "Stinger" at 1.5-3 fluid ounces per acre or "Hornet" at 0.6-1.2 ounces per acre may be tank mixed with FeXapan™. Use the higher rate in the range for heavier infestations of these weeds. |

#### **COTTON**

##### **Preplant Application:**

Apply up to 11 fluid ounces of FeXapan™ per acre to control emerged broadleaf weeds prior to planting cotton in conventional or conservation tillage systems.

For best performance, apply DuPont™ FeXapan™ when weeds are in the 2 - 4 leaf stage and rosettes are less than 2" across.

Following application of FeXapan™ and a minimum accumulation of 1" of rainfall or overhead irrigation, a waiting interval of 21 days is required per 11 fluid ounces per acre or less. These intervals must be observed prior to planting cotton.

Do not apply preplant to cotton west of the Rockies.

Do not make FeXapan™ preplant applications to cotton in geographic areas with average annual rainfall less than 25".

If applying a spring preplant treatment following application of a fall preplant (postharvest) treatment, then the combination of both treatments may not exceed 2 pounds acid equivalent per acre.

#### **Cotton Tank Mixes**

For control of grasses or additional broadleaf weeds, FeXapan™ may be tank mixed with "Caparol", "Gramoxone" Inteon and glyphosate.

#### **GRASS GROWN FOR SEED**

Apply 11 - 22 fluid ounces of FeXapan™ per treated acre on seedling grass after the crop reaches the 3 - 5 leaf stage. Apply up to 44 fluid ounces of FeXapan™ on well-established perennial grass. For best performance, apply FeXapan™ when weeds are in the 2 - 4 leaf stage and rosettes are less than 2" across. Use the higher level of listed rate ranges when treating more mature weeds or dense vegetative growth.

To suppress annual grasses such as brome (downy and riggut), rattail fescue, and windgrass, apply up to 44 fluid ounces of FeXapan™ per treated acre in the fall or late summer after harvest and burning of established grass seed crops.

Applications should be made immediately following the first irrigation when the soil is moist and before weeds have more than 2 leaves.

Do not apply FeXapan™ after the grass seed crop begins to joint.

Refer to the Pasture, Hay, Rangeland, and General Farmstead section for grazing and feeding restrictions.

#### **Grass Seed Tank Mixes**

FeXapan™ may be applied in tank mixes with one or more of the following herbicide brands:

"Buctril"

"Curtail"

DuPont™ EXPRESS®

"Karmex"

MCPA amine

"Stinger"

2,4-D amine or ester

#### **PROSO MILLET**

For use only within Colorado, Nebraska, North Dakota, South Dakota, and Wyoming.

FeXapan™ combined with 2,4-D will provide control or suppression of the annual broadleaf weeds listed in WEEDS CONTROLLED section.

Apply 5.5 fluid ounces of FeXapan™ with 0.375 pounds a.i. of 2,4-D. Apply the tank mix of FeXapan™ + 2,4-D as a broadcast or spot treatment to emerged and actively growing weeds and when proso millet is in the 2 - 5 leaf stage. Use directions for 2,4-D products vary with manufacturers. Refer to a 2,4-D product with labeling consistent with the crop stage timing for FeXapan™. Some types of proso millet may be affected adversely by a tank mix of FeXapan™ + 2,4-D.

Do not apply unless possible proso millet crop injury will be acceptable.

Restrictions for proso millet that is grazed or cut for hay are indicated in Table 4 in the Pasture, Hay, Rangeland, and General Farmstead section of this label.

#### **PASTURE, HAY, RANGELAND, AND GENERAL FARMSTEAD (NONCROPLAND)**

FeXapan™ is recommended for use on pasture, hay, rangeland, and general farmstead (non-cropland) (including fence rows and non-irrigation ditchbanks) for control or suppression of broadleaf weed and brush species listed in the WEEDS CONTROLLED section.

FeXapan™ may also be applied to non-cropland areas to control broadleaf weeds in noxious weed control program, districts, or areas including broadcast or spot treatment of roadsides and highways, utilities, railroad, and pipeline rights-of-way. Noxious weeds must be recognized at the state level, but programs may be administered at state, county, or other level.

FeXapan™ uses described in this section also pertain to grasses and small grains (forage sorghum, rye, sudangrass, or wheat) grown for grass, forage, fodder, hay and/or pasture use only. Grasses and small grains not grown for grass, forage, fodder, hay and/or pasture must comply with crop-specific uses in this label. Some perennial weeds may be controlled with lower rates of either FeXapan™ or FeXapan™ plus 2,4-D (refer to Table 1).

#### **Rates and Timings**

Refer to Table 1 for rate selection based on targeted weed or brush species. Some weed species will require tank mixes for adequate control.

Rates above 44 fluid ounces of DuPont™ FeXapan™ per acre are for spot treatments only. Spot treatment is defined as no more than a total of 1000 square feet of treated area per acre. Do not broadcast apply more than 44 fluid ounces per acre. Retreatments may be made as needed; however, do not exceed a total of 44 fluid ounces of FeXapan™ per treated acre during a growing season.

Grass grown for hay requires a 7-day wait period between application and harvest.

#### **Crop-Specific Restrictions**

Do not apply more than 22 fluid ounces of FeXapan™ per acre to small grains grown for pasture.

Newly seeded areas may be severely injured if more than 22 fluid ounces of FeXapan™ is applied per acre.

Established grass crops growing under stress can exhibit various injury symptoms that may be more pronounced if herbicides are applied. Bentgrass, carpetgrass, buffalograss, and St. Augustingrass may be injured if more than 22 fluid ounces of FeXapan™ is applied per acre. Usually colonial bentgrasses are more tolerant than creeping types. Velvetgrasses are most easily injured. Treatments will kill or injure alfalfa, clovers, lespedeza, wild winter peas, vetch, and other legumes.

Table 4 lists the timing restrictions for grazing or harvesting hay from treated fields. There are no grazing restrictions for animals other than lactating dairy animals.

**Table 4. Timing Restrictions for Lactating Dairy Animals Following Treatment**

| <b>FeXapan™ Rate per Treated Acre<br/>(fluid ounces)</b> | <b>Days Before Grazing (days)</b> | <b>Days Before Hay Harvest (days)</b> |
|--|-----------------------------------|---------------------------------------|
| Up to 22   | 7                                 | 37                                    |
| Up to 44   | 21                                | 51                                    |
| Up to 88 (for spot treatment only).                      | 40                                | 70                                    |

- **Spot Treatments:** FeXapan™ may be applied to individual clumps or small areas of undesirable vegetation using handgun or similar types of application equipment. Apply diluted sprays to allow complete wetting (up to runoff) of foliage and stems.

#### **Cut Surface Treatments:**

FeXapan™ may be applied as a cut surface treatment for control of unwanted trees and prevention of sprouts of cut trees.

**Rate:** Mix 1 part FeXapan™ with 1 - 3 parts water to create the application solution. Use the lower dilution rate when treating difficult-to-control species.

- **For Frill or Girdle Treatments:** Make a continuous cut or a series of overlapping cuts using an axe to girdle tree trunk. Spray or paint the cut surface with the solution.
- **For Stump Treatments:** Spray or paint freshly cut surface with the water mix. The area adjacent to the bark should be thoroughly wet.

**Note:** For more rapid foliar effects, 2,4-D may be added to the solution.

#### **Applications For Control of Dormant Multiflora Rose:**

FeXapan™ can be applied when plants are dormant as an undiluted spot treatment directly to the soil or as a Lo-Oil basal bark treatment using an oil-water emulsion solution.

- **Spot treatments:** Spot treatment applications of FeXapan™ should be applied directly to the soil as close as possible to the root crown but within 6 - 8" of the crown. On sloping terrain, apply FeXapan™ to the uphill side of the crown. Do not apply when snow or water prevents applying FeXapan™ directly to the soil. The use rate of FeXapan™ depends on the canopy diameter of the multiflora rose.

Examples: Use 0.34, 1.38, or 3.23 fluid ounces of FeXapan™ respectively, for 5, 10, or 15 feet canopy diameters.

- **Lo-Oil basal bark treatments:** For Lo-Oil basal bark treatments, apply FeXapan™ to the basal stem region from the ground line to a height of 12 - 18". Spray until runoff, with special emphasis on covering the root crown. For best results, apply FeXapan™ when plants are dormant. Do not apply after bud break or when plants are showing signs of active growth. Do not apply when snow or water prevents applying FeXapan™ to the ground line.

To prepare approximately 2 gallons of a Lo-Oil spray solution:

- 1) Combine 1.5 gallons of water, 1 ounce of emulsifier, 22 fluid ounces of FeXapan™, and 2.5 pints of No. 2 diesel fuel.
- 2) Adjust the amounts of materials used proportionately to the amount of final spray solution desired.

Do not exceed 8 gallons of spray solution mix applied per acre, per year.



## **Pasture Tank Mixes**

DuPont™ FeXapan™ may be applied in tank mixes with one or more of the following herbicide brands:

“Amber”  
DuPont™ CIMARRON®  
“Crossbow”  
“Curtail”  
DuPont™ ESCORT® XP  
“Garlon”

glyphosate  
“Gramoxone” Inteon  
“Stinger”  
“Tordon” 22K  
2,4-D

## **CONSERVATION RESERVE PROGRAM (CRP)**

FeXapan™ is recommended for use on both newly seeded and established grasses grown in Conservation Reserve or federal Set-Aside Programs. Treatments of FeXapan™ will injure or may kill alfalfa, clovers, lespedeza, wild winter peas, vetch, and other legumes.

### **Newly Seeded Areas**

FeXapan™ may be applied either preplant or postemergence to newly seeded grasses or small grains such as barley, oats, rye, sudangrass, wheat, or other grain species grown as a cover crop. Postemergence applications may be made after seedling grasses exceed the 3-leaf stage. Rates of FeXapan™ greater than 22 fluid ounces per treated acre may severely injure newly seeded grasses.

Preplant applications may injure new seedlings if the interval between application and grass planting is less than 45 days per 22 fluid ounces of FeXapan™ applied per treated acre west of the Mississippi River or 20 days per 22 fluid ounces applied east of the Mississippi River.

### **Established Grass Stands**

Established grass stands are perennial grasses planted one or more seasons prior to treatment. Certain species (bentgrass, carpetgrass, smooth brome, buffalograss, or St. Augustinegrass) may be injured when treated with more than 22 fluid ounces of FeXapan™ per treated acre.

When applied at recommended rates, FeXapan™ will control many annual and biennial weeds and provide control or suppression of many perennial weeds.

### **Rates and Timings**

Apply 5.5 - 44 fluid ounces of FeXapan™ per acre. Refer to Table 1 for rates based on target weed species. FeXapan™ may be tank mixed or applied sequentially with other products labeled for use in Conservation Reserve Programs such as atrazine, “Cyclone”, glyphosate, “Gramoxone” Inteon, or 2,4-D. Retreatments may be made as needed; however, do not exceed a total of 88 fluid ounces (5.5 pints) of FeXapan™ per acre per year.

### **SMALL GRAINS NOT UNDERSEED TO LEGUMES (FALL- AND SPRING-SEED BARLEY, OAT, TRITICALE AND WHEAT)**

FeXapan™ combinations with listed tank mix partners will provide control or suppression of the annual broadleaf weeds listed in the WEEDS CONTROLLED section. For improved control of listed weeds, tank mix FeXapan™ with one or more of the herbicides listed.

FeXapan™ used in a tank mix with other herbicides offers the best spectrum of weed control and herbicide tolerant or resistant weed management. Refer to the specific section crop for FeXapan™ application rate and timing.

For applications prior to weed emergence or when sulfonylurea-resistant weeds are present or suspected, tank mix a minimum of 4.12 fluid ounces of FeXapan™ per treated acre with a non-sulfonylurea herbicide such as 2,4-D or MCPA. Tank mixing FeXapan™ with these products will offer more consistent control of sulfonylurea-resistant weeds.

**Additives:** When tank mixing FeXapan™ with sulfonylurea herbicide brands (DuPont™ ALLY®, “Amber”, DuPont™ EXPRESS®, DuPont™ FINESSE®, DuPont™ GLEAN®, DuPont™ HARMONY® and “Peak”), use an agriculturally approved surfactant as indicated in the Surfactants and Adjuvants section of this label.

Refer to the specific crop sections below for use rates. When treating difficult to control weeds such as kochia, wild buckwheat, cow cockle, prostrate knotweed, Russian thistle, and prickly lettuce or when dense vegetative growth occurs, use the 4.12 – 5.5 fluid ounces of FeXapan™ per acre.

**Timings:** Apply FeXapan™ before, during, or after planting small grains. See specific small grain crop uses below for maximum crop stage. For best performance, apply FeXapan™ when weeds are in the 2 - 3 leaf stage and rosettes are less than 2" across. Applying FeXapan™ to small grains during periods of rapid growth may result in crop leaning. This condition is temporary and will not reduce crop yields.

Restrictions for small grain areas that are grazed or cut for hay are indicated in Table 4 in Pasture, Hay, Rangeland, and General Farmstead section of this label.

## **SMALL GRAINS: BARLEY (FALL- AND SPRING-SEEDED)**

### **Early season applications:**

Apply 2.75 – 5.5 fluid ounces of DuPont™ FeXapan™ to fall-seeded barley prior to the jointing stage. Apply 2.75 – 4.12 fluid ounces of FeXapan™ before spring-seeded barley exceeds the 4-leaf stage.

Note: For spring barley varieties that are seeded during the winter months or later, follow the rates and timings given for spring-seeded barley.

Do not tank mix FeXapan™ with 2,4-D in early season applications on spring-seeded barley.

### **Preharvest applications:**

FeXapan™ can be used to control weeds that may interfere with harvest of fall and spring-seeded barley. Apply 11 fluid ounces of FeXapan™ per acre as a broadcast or spot treatment to annual broadleaf weeds when barley is in the hard dough stage and the green color is gone from the nodes (joints) of the stem. Best results will be obtained if application can be made when weeds are actively growing, but before weeds canopy.

A waiting interval of 7 days is required before harvest. Do not use preharvest-treated barley for seed unless a germination test is performed on the seed with an acceptable result of 95% germination or better.

For control of additional broadleaf weeds or grasses, FeXapan™ may be tank mixed with other herbicides, such as 2,4-D, that are labeled for preharvest uses in barley.

Do not make preharvest applications in California.

### **Barley Tank Mixes**

**Table 5.**

| <b>Tank Mix Partner*</b>          | <b>Rate Per Acre</b>  |
|-----------------------------------|---|
| DuPont™ ALLY® XP                  | 0.05 - 0.1 ounce <sup>1</sup>                                 |
| “Amber”                           | 0.14 - 0.28 ounce <sup>1</sup>                                |
| “Bronate”                         | 0.75 - 1.5 pints  |
| “Buctril”                         | 1 - 1.5 pints   |
| DuPont™ EXPRESS®                  | 0.083 - 0.167 ounce <sup>1</sup>                              |
| DuPont™ FINESSE®                  | 0.167 - 0.33 ounce <sup>1</sup>                               |
| DuPont™ GLEAN®                    | 0.167 ounce <sup>1</sup>                                      |
| DuPont™ HARMONY® Extra            | 0.167 - 0.33 ounce <sup>1</sup>                               |
| MCPA amine or ester               | 8 - 12 fluid ounces <sup>2</sup><br>(0.25 - 0.375 pound a.e.) |
| Metribuzin (“Sencor”)             | 0.125 - 0.47 pound a.i.                                       |
| 2,4-D amine or ester <sup>3</sup> | 8 fluid ounces<br>(0.25 pound a.e.)                           |

\* Follow all tank mix partners' labeling for use rates, precautions and restrictions.

<sup>1</sup> Do not use low rates of sulfonylureas (Ally, Amber, Express, Finesse, Glean, and Harmony Extra) on more mature weeds or on dense vegetative growth.

<sup>2</sup> When using formulations other than 4 pounds per gallon use pounds of a.e. per acre listed.

<sup>3</sup> This tank mix is for fall-seeded barley only

## **SMALL GRAINS: OATS (FALL- AND SPRING-SEEDED)**

### **Early season applications:**

Apply 2.75 – 5.5 fluid ounces of FeXapan™ per acre to fall-seeded oat prior to the jointing stage. Apply 2.75 – 5.5 fluid ounces of FeXapan™ before spring-seeded oat exceed the 5-leaf stage.

FeXapan™ may be tank mixed with MCPA amine or ester for applications in oat.

Do not tank mix FeXapan™ with 2,4-D in oat.

## **SMALL GRAINS: TRITICALE (FALL- AND SPRING-SEEDED)**

### **Early season applications:**

Apply 2.75 – 5.5 fluid ounces of FeXapan™ to triticale.

Early season applications to fall-seeded triticale must be made prior to the jointing stage.

Early season applications to spring-seeded triticale must be made before triticale reaches the 6-leaf stage.

### **Triticale Tank Mixes:**

For best performance, should be used in tank mix combination with bromoxynil herbicide.

## SMALL GRAINS: WHEAT (FALL- AND SPRING-SEEDED)

### Early Season Applications:

Apply 2.75 – 5.5 fluid ounces of DuPont™ FeXapan™ to wheat unless using one of the fall-seeded wheat specific programs below.

Early season applications to fall-seeded wheat must be made prior to the jointing stage.

Early season applications to spring-seeded wheat must be made before wheat exceeds the 6-leaf stage.

Early developing wheat varieties such as TAM 107, Madison, or Wakefield must receive application between early tillering and the jointing stage. Care should be taken in staging these varieties to be certain that the application occurs prior to the jointing stage.

To improve control of Russian thistle, flixweed, gromwell, or mayweed, add 2,4-D amine or ester to a tank mix with one of the following herbicide brands: DuPont™ ALLY®, “Amber”, DuPont™ EXPRESS®, DuPont™ FINESSE®, DuPont™ GLEAN®, DuPont™ HARMONY®, or “Peak”.

### Specific use programs for fall-seeded wheat only:

FeXapan™ may be used at 8.25 fluid ounces on fall-seeded wheat in Western Oregon as a spring application only. In Colorado, Kansas, New Mexico, Oklahoma, and Texas, up to 11 fluid ounces of FeXapan™ may be applied on fall-seeded wheat after it exceeds the 3-leaf stage for suppression of perennial weeds, such as field bindweed. Applications may be made in the fall following a frost but before a killing freeze. FeXapan™ may be tank mixed with 2,4-D amine at 11 fluid ounces after wheat begins to tiller. Periods of extended stress such as cold and wet weather may enhance the possibility of crop injury. For fall applications only, do not use if the potential for crop injury is not acceptable.

### Preharvest applications:

FeXapan™ can be used to control weeds that may interfere with harvest of wheat. Apply 11 fluid ounces FeXapan™ per acre as a broadcast or spot treatment to annual broadleaf weeds when wheat is in the hard dough stage and the green color is gone from the nodes (joints) of the stem. Best results will be obtained if application can be made when weeds are actively growing but before weeds canopy.

A waiting interval of 7 days is required before harvest. Do not use preharvest-treated wheat for seed unless a germination test is performed on the seed with an acceptable result of 95% germination or better.

For control of additional broadleaf weeds or grasses, FeXapan™ herbicide may be tank mixed with other herbicides such as ALLY®, glyphosate and 2,4-D. Do not make preharvest applications in California.

### Wheat Tank Mixes

Table 6.

| Tank Mix Partner*                  | Rate Per Acre                                    |
|------------------------------------|--|
| ALLY® XP                           | 0.05 - 0.1 ounce <sup>1</sup>                    |
| “Amber”                            | 0.14 - 0.28 ounce <sup>1</sup>                   |
| “Bronate”                          | 0.75 - 1.5 pints                                 |
| “Buctril”                          | 1 - 1.5 pints                                    |
| “Curtail”                          | 2 - 2.67 pints                                   |
| “Dakota”                           | 16 fluid ounces                                  |
| EXPRESS®                           | 0.083 - 0.167 ounce <sup>1</sup>                 |
| FINESSE®                           | 0.167 - 0.33 ounce <sup>1</sup>                  |
| GLEAN®                             | 0.167 ounce <sup>1</sup>                         |
| HARMONY®                           | 0.167 - 0.33 ounce <sup>1</sup>                  |
| “Karmex” <sup>3</sup>              | 0.5 - 1.5 pounds                                 |
| Glyphosate <sup>4</sup>            | 12 - 16 fluid ounces                             |
| MCPA amine or ester <sup>4</sup>   | 8 - 12 fluid ounces<br>(0.25 - 0.375 pound a.e.) |
| Metribuzin <sup>3</sup> (“Sencor”) | 0.25 - 0.375 pound a.i.                          |
| “Peak” <sup>1</sup>                | 0.25 - 0.38 ounce                                |
| “Stinger”                          | 4 - 5.33 fluid ounces                            |
| “Tiller” <sup>2</sup>              | 1 - 1.7 pints                                    |
| 2,4-D amine or ester <sup>4</sup>  | 8 - 12 fluid ounces<br>(0.25 - 0.375 pound a.e.) |

\* Follow all tank mix partners' labeling for use rates, precautions and restrictions.

<sup>1</sup> Do not use low rates of sulfonylurea herbicides, such as ALLY®, “Amber”, EXPRESS®, FINESSE®, GLEAN®, HARMONY®, and “Peak” on more mature weeds or on dense vegetative growth.

<sup>2</sup> Do not use FeXapan™ as a tank mix treatment with “Dakota” or “Tiller” on Durum wheat. Do not tank mix with “Tiller” if wild oat is the target weed.

<sup>3</sup> Tank mixes with “Karmex” and metribuzin are for use in fall-seeded wheat only.

- <sup>4</sup> A tank mix of up to 5.5 fluid ounces of DuPont™ FeXapan™ with any glyphosate formulation labeled for use as a preplant application to small grains may be applied with no waiting period prior to planting.
- <sup>5</sup> Up to 44 fluid ounces of (1.0 pound a.e.) may be used on fall-seeded wheat if crop injury is acceptable. When using formulations other than 4 pounds per gallon, use the pounds of a.e. per acre listed.

## **SORGHUM**

FeXapan™ may be applied preplant, postemergence, or preharvest in sorghum to control many annual broadleaf weeds and to reduce competition from established perennial broadleaf weeds, as well as control their seedlings.

Do not graze or feed treated sorghum forage or silage prior to mature grain stage. If sorghum is grown for pasture or hay, refer to Pasture, Hay, Rangeland, and General Farmstead section of this label for specific grazing and feeding restrictions.

Do not apply FeXapan™ to sorghum grown for seed production.

### **Preplant Application:**

Up to 11 fluid ounces of FeXapan™ may be applied per acre if applied at least 15 days before sorghum planting.

### **Postemergence Application:**

Up to 11 fluid ounces of FeXapan™ per acre may be applied after sorghum is in the spike stage (all sorghum emerged) but before sorghum is 15" tall. For best performance, apply FeXapan™ when the sorghum crop is in the 3 - 5 leaf stage and weeds are small (less than 3" tall). Use drop pipes (drop nozzles) if sorghum is taller than 8". Keep the spray off the sorghum leaves and out of the whorl to reduce the likelihood of crop injury and to improve spray coverage of weed foliage. Applying FeXapan™ to sorghum during periods of rapid growth may result in temporary leaning of plants or rolling of leaves. These effects are usually outgrown within 10 - 14 days.

**Preharvest uses in Texas and Oklahoma only:** Up to 11 fluid ounces of FeXapan™ per acre may be applied for weed suppression any time after the sorghum has reached the soft dough stage. An agriculturally approved surfactant may be used to improve performance. Delay harvest until 30 days after a preharvest treatment.

### **Split Application:**

FeXapan™ may be applied in split applications: preplant followed by postemergence or preharvest; or postemergence followed by preharvest. Do not exceed 11 fluid ounces per acre, per application or a total of 22 ounces per acre, per season.

### **Sorghum Tank Mixes and Sequential Treatments**

FeXapan™ may be applied prior to, in a tank mix with, or after one or more of the following herbicide brands:

Atrazine  
 "Basagran"  
 "Bicep"  
 "Buctril"  
 DuPont™ CINCH®  
 "Cyclone"  
 "Dual"  
 "Fallow Master"  
 glyphosate  
 "Gramoxone" Intcon  
 "Guardsman"

"Laddok"  
 "Landmaster"  
 "Outlook"  
 "Paramount"  
 "Peak"  
 "Permit"  
 "Roundup"

## **SOYBEAN**

### **Preplant Applications:**

Apply 5.5 - 22 fluid ounces of FeXapan™ per acre to control emerged broadleaf weeds prior to planting soybeans. Do not exceed 22 fluid ounces of FeXapan™ per acre in a spring application prior to planting soybeans.

Following application of FeXapan™ and a minimum accumulation of 1" rainfall or overhead irrigation, a waiting interval of 14 days is required for 11 fluid ounces per acre or less, and 28 days for 22 fluid ounces per acre. These intervals must be observed prior to planting soybeans or crop injury may occur.

Do not make FeXapan™ preplant applications to soybeans in geographic areas with average annual rainfall less than 25".

### **Preharvest Applications:**

FeXapan™ can be used to control many annual and perennial broadleaf weeds and control or suppress many biennial and perennial broadleaf weeds in soybean prior to harvest. Apply 11 - 44 fluid ounces of FeXapan™ per acre as a broadcast or spot treatment to emerged and actively growing weeds after soybean pods have reached mature brown color and at least 75% leaf drop has occurred.

Do not harvest soybeans until 7 days after application.

Treatments may not kill weeds that develop from seed or underground plant parts, such as rhizomes or bulbets, after the effective period for FeXapan™. For seedling control, a follow-up program or other cultural practice could be instituted.

Do not use preharvest-treated soybean for seed unless a germination test is performed on the seed with an acceptable result of 95% germination or better.

Do not feed soybean fodder or hay following a preharvest application of FeXapan™.

Do not make preharvest applications in California.

#### **Soybean Tank Mixes**

#### **Preplant Tank Mixes:**

DuPont™ FeXapan™ may be tank mixed with other herbicides registered for early preplant use in soybeans including burndown herbicides such as glyphosate (glyphosate) and 2,4-D or residual herbicides brands such as DuPont™ CINCH®, “Outlook”, or “Dual”.

#### **Preharvest Tank Mixes:**

FeXapan™ may be tank mixed with other herbicides registered for preharvest use in soybeans such as glyphosate and “Gramoxone” Inteon.

#### **SUGARCANE**

Apply FeXapan™ for control of annual, biennial, or perennial broadleaf weeds listed in the WEEDS CONTROLLED section. Apply 11 - 33 fluid ounces of FeXapan™ per acre for control of annual weeds, 22 - 44 fluid ounces for control of biennial weeds, and 44 fluid ounces for control or suppression of perennial weeds.

Use the higher level of listed rate ranges when treating dense vegetative growth.

A single retreatment may be made as needed, however, do not exceed a total of 88 fluid ounces of FeXapan™ per treated acre during a growing season.

**Timing:** FeXapan™ may be applied to sugarcane any time after weeds have emerged, but before the close-in stage of sugarcane. Applications of 44 fluid ounces of FeXapan™ per acre made over the top of actively growing sugarcane may result in crop injury.

When possible, direct the spray beneath the sugarcane canopy to minimize the likelihood of crop injury. Using directed sprays will also help maximize the spray coverage of weed foliage.

#### **Sugarcane Tank Mixes**

FeXapan™ may be tank mixed with other products registered for use in sugarcane such as “Asulox”, atrazine, “Evik”, and 2,4-D.

#### **FARMSTEAD TURF (NONCROPLAND) AND SOD FARMS**

Do not use on residential sites.

For use in general farmstead (noncropland) and sod farms, apply 4.12 – 44 fluid ounces of FeXapan™ per acre to control or suppress growth of many annual, biennial, and some perennial broadleaf weeds commonly found in turf. FeXapan™ will also suppress many other listed perennial broadleaf weeds and woody brush and vine species. Refer to Table 1 for rate recommendations based on targeted weed or brush species and growth stage. Some weed species will require tank mixes for adequate control.

Repeat treatments may be made as needed; however, do not exceed 44 fluid ounces of FeXapan™ per acre, per growing season.

Apply 30 - 200 gallons of diluted spray per treated acre (3 - 17 quarts of water per 1,000 square feet), depending on density or height of weeds treated and on the type of equipment used.

To avoid injury to newly seeded grasses, delay application of FeXapan™ until after the second mowing. Furthermore, applying more than 16 fluid ounces of FeXapan™ per treated acre may cause noticeable stunting or discoloration of sensitive grass species such as bentgrass, carpetgrass, buffalograss, and St. Augustinegrass.

In areas where roots of sensitive plants extend, do not apply more than 5.5 fluid ounces of FeXapan™ per treated acre on coarse-textured (sandy-type) soils, or in excess of 8 fluid ounces per treated acre on fine-textured soils. Do not make repeat applications in these areas for 30 days and until previous applications of FeXapan™ have been activated in the soil by rain or irrigation.

#### **Farmstead Turf (noncropland) and Sod Farm Tank Mixes**

Apply 4.4 - 11 fluid ounces of FeXapan™ per acre in a tank mix with one of the products in Table 8 at the rates listed. Use the higher rates when treating established weeds.

**Table 7.**

| <b>Tank Mix Partner*</b> | <b>Rate Per Acre</b>   |
|--------------------------|------------------------|
| bromoxynil (“Buctril”)   | 0.375 - 0.5 pound a.i. |
| MCPA                     | 0.5 - 1.5 pounds a.e.  |
| MCPP                     | 0.5 - 1.5 pounds a.e.  |
| 2,4-D                    | 0.5 - 1.5 pounds a.e.  |

\* Follow all tank mix partners’ labeling for use rates, precautions and restrictions.

## WEEDS CONTROLLED

### GENERAL WEED LIST

#### ANNUALS

|  |   |  |
|--|---|--|
| Alkanet<br>Amaranth, Palmer, Powell, Spiny<br>Aster, Slender<br>Bedstraw, Catchweed<br>Beggartweed, Florida<br>Broomweed, Common<br>Buckwheat, Tartary, Wild<br>Buffalobur<br>Burclover, California<br>Burdock<br>Buttercup, Corn, Creeping, Roughseed,<br>Western Field<br>Carpetweed<br>Catchfly, Nightflowering<br>Chamomile, Corn<br>Chevil, Bur<br>Chickweed, Common<br>Clovers<br>Cockle, Corn, Cow, White<br>Cocklebur, Common<br>Copperleaf, Hophornbeam<br>Cornflower (Bachelor Button)<br>Croton, Tropic, Woolly<br>Daisy, English<br>Dragonhead, American<br>Eveningprimrose, Cutleaf<br>Falseflax, Smallseed<br>Fleabane, Annual<br>Flixweed<br>Fumitory | Goosefoot, Nettleleaf<br>Hempnettle<br>Henbit<br>Jacobs-Ladder<br>Jimsonweed<br>Knawel (German Moss)<br>Knotweed, Prostrate<br>Kochia<br>Ladysthumb<br>Lambsquarters Common<br>Lettuce, Miners, Prickly<br>Mallow, Common, Venice<br>Marestail (Horseweed)<br>Mayweed<br>Morningglory, Ivyleaf, Tall<br>Mustard, Black, Blue, Tansy, Treacle,<br>Tumble, Wild, Yellowtops<br>Nightshade, Black, Cutleaf<br>Pennycress, Field (Fanweed, Frenchweed,<br>Stinkweed)<br>Pepperweed, Virginia (Peppergrass)<br>Pigweed, Prostrate, Redroot<br>(Carelessweed), Rough, Smooth, Tumble<br>Pineappleweed<br>Poorjoe<br>Poppy, Red-horned<br>Puncturevine<br>Purslane, Common | Pusley, Florida<br>Radish, Wild<br>Ragweed, Common, Giant (Buffaloweed),<br>Lance-Leaf<br>Rocket, London, Yellow<br>Rubberweed, Bitter (Bitterweed)<br>Salsify<br>Senna, Coffee<br>Sesbania, Hemp<br>Shepherdspurse<br>Sicklepod<br>Sida, Prickly (Teaweed)<br>Smartweed, Green, Pennsylvania<br>Sneezeweed, Bitter<br>Sowthistle, Annual, Spiny<br>Spanish Needles<br>Spikeweed, Common<br>Spurge, Prostrate, Leafy<br>Spurry, Corn<br>Starbur, Bristly<br>Starwort, Little<br>Sumpweed, Rough<br>Sunflower, Common (Wild), Volunteer<br>Thistle, Russian<br>Velvetleaf<br>Waterhemp, Common, Tall<br>Waterprimrose, Winged<br>Wormwood |
|--|---|--|

#### BIENNIALS

|   |   |   |
|---|---|---|
| Burdock, Common<br>Carrot, Wild (Queen Anne's Lace)<br>Cockle, White<br>Eveningprimrose, Common<br>Geranium, Carolina | Gromwell<br>Knapweed, Diffuse, Spotted<br>Mallow, Dwarf<br>Plantain, Bracted<br>Ragwort, Tansy<br>Starthistle, Yellow | Sweetclover<br>Teasel<br>Thistle, Bull, Milk, Musk, Plumeless |
|---|---|---|

#### PERENNIALS

|   |   |  |
|---|---|--|
| Alfalfa <sup>1</sup><br>Artichoke, Jerusalem<br>Aster, Spiny, Whiteheath<br>Bedstraw, Smooth<br>Bindweed, Field, Hedge<br>Blueweed, Texas<br>Bursage, Woollyleaf (Bur Ragweed,<br>Povertyweed)<br>Buttercup, Tall<br>Campion, Bladder<br>Chickweed, Field, Mouseear<br>Chicory <sup>1</sup><br>Clover <sup>1</sup> , Hop<br>Dandelion <sup>1</sup> , Common<br>Sorrel <sup>1</sup> , Red (Sheep Sorrel)<br>Sowthistle <sup>1</sup> , Perennial<br>Spurge, Leafy<br>Sundrops<br>Thistle, Canada, Scotch<br>Toadflex, Dalmatian | Dock <sup>1</sup> Broadleaf (Bitterdock), Curly<br>Dogbane, Hemp<br>Dogfennel <sup>1</sup> (Cypressweed)<br>Fern, Bracken<br>Garlic, Wild<br>Goldenrod, Canada, Missouri<br>Goldenweed, Common<br>Hawkweed<br>Henbane, Black <sup>1</sup><br>Horsenettle, Carolina<br>Ironweed<br>Knapweed, Black, Diffuse, Russian <sup>1</sup> ,<br>Spotted<br>Tropical Soda Apple<br>Trumpet creeper (Buckvine)<br>Vetch<br>Waterhemlock, Spotted<br>Waterprimrose, Creeping | Woodsorrel <sup>1</sup> , Creeping, Yellow<br>Wormwood, Absinth, Louisiana<br>Yankee weed<br>Yarrow, Common <sup>1</sup> |
|---|---|--|

<sup>1</sup> Noted perennials may be controlled using lower rates of DuPont™ FeXapan™ than those recommended for other listed perennial weeds.

## WOODY SPECIES

|                           |                                    |   |
|---------------------------|------------------------------------|---|
| Alder                     | Hawthorn (Thornapple) <sup>2</sup> | Plum, Sand (Wild Plum) <sup>2</sup>       |
| Ash                       | Hemlock                            | Poplar                                    |
| Aspen                     | Hickory                            | Rabbitbrush                               |
| Basswood                  | Honeylocust                        | Redcedar, Eastern <sup>2</sup>            |
| Beech                     | Honeysuckle                        | Rose <sup>2</sup> , McCartney, Multiflora |
| Birch                     | Hornbeam                           | Sagebrush, Fringed <sup>2</sup>           |
| Blackberry <sup>2</sup>   | Huckleberry                        | Sassafras                                 |
| Blackgum <sup>2</sup>     | Huisache                           | Serviceberry                              |
| Cedar <sup>2</sup>        | Ivy, Poison                        | Spicebush                                 |
| Cherry                    | Kudzu                              | Spruce                                    |
| Chinquapin                | Locust, Black                      | Sumac                                     |
| Cottonwood                | Maple                              | Sweetgum <sup>2</sup>                     |
| Creosotebush <sup>2</sup> | Mesquite                           | Sycamore                                  |
| Cucumbertree              | Oak                                | Tarbrush                                  |
| Dewberry <sup>2</sup>     | Oak, Poison                        | Willow                                    |
| Dogwood <sup>2</sup>      | Olive, Russian                     | Witchhazel                                |
| Elm                       | Persimmon, Eastern                 | Yaupon <sup>2</sup>                       |
| Grape                     | Pine                               | Yucca <sup>2</sup>                        |

<sup>2</sup> Growth suppression only

## SPRAY ADJUVANTS - ALL CROPS OR USES

Although not always required, surfactant may be added to spray solutions of this product.

A quality nonionic surfactant (NIS) of at least 70% active may be added to the spray solution at 0.25 percent surfactant concentration (1 quart per 100 gallons of spray solution). Read and carefully observe all caution statements and other information on the surfactant label.

Do not add acidifying buffering agents, acidic pH adjusting agents or adjuvants other than agriculturally approved NIS to the spray solution.

Instead of NIS, oil concentrate surfactants such as crop oil concentrate (COC), high surfactant oil concentrate (HSOC) or methylated seed oil (MSO) may be used at 1 to 2 quarts/100 gallons (0.5% to 1% v/v), but at least 1 pint/acre. Do not use crop oil concentrates (COC) or methylated seed oils (MSO) as adjuvants when this product is applied with a Roundup Brand Agricultural Herbicide. When DuPont™ FeXapan™ is used with another herbicide that requires the use of a COC or MSO adjuvant follow the label instructions of that product.

A crop oil concentrate must contain either a petroleum or vegetable oil base and must meet all of the following criteria:

- be nonphytotoxic,
- contain only EPA-exempt ingredients,
- provide good mixing quality in the jar test, and
- be successful in local experience.

The exact composition of suitable products will vary; however, vegetable and petroleum oil concentrates should contain emulsifiers to provide good mixing quality. Highly refined vegetable oils have proven more satisfactory than unrefined vegetable oils.

[Optional label statement: Adjuvants containing crop oil concentrates may be used in preplant, pre-emergence, and preharvest application, as well as in pastures and noncropland. Do not use crop oil concentrate for postemergence in-crop applications unless specifically allowed in the Crop-Specific Information of this label or in separate supplemental labeling.]

### Drift Reduction Additives

Nozzle selection is one of the most important parameters for drift reduction. A drift reduction additive may be used with this product to further reduce fine droplets. Not all drift reduction additives are compatible with every nozzle type and pesticide / adjuvant combination. Check with the additive manufacturer to insure that the drift additive will work properly with the spray nozzle, spray pressure and your specific spray solution.

Read and carefully observe all precautions, limitations and all other information on the product label.

## CROP ROTATIONAL RESTRICTIONS

The interval between application of this product and the planting of other crops in a crop rotation program is given below. When counting days from the application of this product, do not count days when the ground is frozen. Planting at intervals less than specified in this section could result in crop injury. Moisture is essential for the degradation of this herbicide in soil. If dry weather prevails, use cultivation to allow herbicide contact with moist soil. Planting/replanting restrictions at application rates of 33 fluid ounces of this product per acre or less: Follow the planting restrictions in the directions for use for Preplant application in the Crop Specific Information section of this label. Do not plant barley, oat, wheat, and other grass seedings for 15 days for every 11 fluid ounces of this product applied per acre east of the Mississippi River and 22 days for every 11 fluid ounces per acre applied west of the Mississippi River. No planting restrictions apply beyond 120

days after application of this product. Planting/replanting restrictions at application rates of more than 33 fluid ounces and up to 88 fluid ounces of this product per acre: Wait a minimum of 120 days after application of this product before planting corn, sorghum and cotton east of the Rocky Mountains and before planting all other crops grown in areas receiving 30 inches or more rainfall annually. Wait a minimum of 180 days before planting crops in areas with less than 30 inches of annual rainfall. Wait a minimum of 30 days for every 22 fluid ounces of this product applied per acre before planting barley, oat, wheat, and other grass seedings east of the Mississippi River and 45 days for every 22 fluid ounces of this product applied per acre west of the Mississippi River.

## MIXING

### Compatibility Test for Mix Components

Before mixing components, always perform a compatibility jar test.

- For 20 gallons per acre spray volume, use 3.3 cups (800 mL) of water. For other spray volumes, adjust rates accordingly. Only use water from the intended source at the source temperature.
- Add components in the sequence indicated in the Mixing Order section below using 2 teaspoons for each pound or 1 teaspoon for each pint of labeled use rate per acre.
- Cap the jar and invert 10 cycles between component additions.
- When the components have all been added to the jar, let the solution stand for 15 minutes.
- Evaluate the solution for uniformity and stability. The spray solution should not have free oil on the surface; fine particles that precipitate to the bottom; or thick (clabbered) texture. If the spray solution is not compatible, repeat the compatibility test with the addition of a suitable compatibility agent. If the solution is then compatible, use the compatibility agent as directed on its label. If the solution is still incompatible, then do not mix the ingredients in the same tank.

### Mixing Order

1. Water - Begin by agitating a thoroughly clean sprayer tank three-quarters full of clean water.
2. Agitation - Maintain constant agitation throughout mixing and application.
3. Inductor - If an inductor is used, rinse it thoroughly after each component has been added.
4. Products in PVA bags - Place any product contained in water-soluble PVA bags into the mixing tank. Wait until all water-soluble PVA bags have fully dissolved and the product is evenly mixed in the spray tank before continuing.
5. Water-dispersible products (dry flowables, wettable powders, suspension concentrates, or suspo-emulsions)
6. Water-soluble products (such as DuPont™ FeXapan™)
7. Emulsifiable concentrates (such as oil concentrate when applicable)
8. Water-soluble additives (when applicable)
9. Remaining quantity of water.

Maintain constant agitation during application

## APPLICATION EQUIPMENT AND TECHNIQUES

DO NOT APPLY THIS PRODUCT USING AERIAL SPRAY EQUIPMENT.

FeXapan™ can be applied to actively growing weeds as broadcast, band, or spot spray applications using water or sprayable fertilizer as a carrier. Control weeds early when they are relatively small (less than 4 inches). Timely application to small weeds early in the season will improve control and reduce weed competition. Refer to table 1 for general FeXapan™ application rates for control or suppression by weed type and growth stage. For crop-specific application timing and other details, refer to the CROP-SPECIFIC INFORMATION section of this label.

APPLY THIS PRODUCT USING PROPERLY MAINTAINED AND CALIBRATED EQUIPMENT CAPABLE OF DELIVERING THE DESIRED VOLUMES.

**CULTIVATION** Do not cultivate within 7 days after applying this product.

### Ground Application (Banding)

When applying FeXapan™ by banding, determine the amount of herbicide and water volume needed using the following formula:

Bandwidth in inches X Broadcast rate per acre = Banding herbicide rate per acre

Row width in inches

Bandwidth in inches X Broadcast volume per acre = Banding water volume per acre

Row width in inches



### **Ground Application (Broadcast)**

**Water Volume:** Use a minimum of 10 gallons of spray solution per broadcast acre for optimal performance. Use the higher spray volume (20 gallons per acre) when treating dense or tall vegetation.

**Application Equipment:** Select nozzles designed to produce minimal amounts of fine spray particles. Spray with nozzles as close to the weeds as practical for good weed coverage.

### **Ground Application (Wipers)**

DuPont™ FeXapan™ may be applied through wiper application equipment to control or suppress actively growing broadleaf weeds, brush and vines. Use a solution containing 1 part FeXapan™ to 1 part water. Do not apply greater than 1 lb dicamba acid equivalent (1 quart of this product) per acre per application. Do not contact desirable vegetation with herbicide solution. Wiper application may be made to crops (including pastures) and non-cropland areas described in this label with the exception of cotton, sorghum, and soybean.

### **Proper Spray System Equipment Cleanout**

Minute quantities of dicamba can cause injury to sensitive crops (see the “Sensitive Areas” section of this label for a listing of sensitive crops).

Clean equipment immediately after using this product, using a triple rinse procedure as follows:

1. After spraying, drain the sprayer (including boom and lines) immediately. Do not allow the spray solution to remain in the spray boom lines overnight prior to flushing.
2. Flush tank, hoses, boom and nozzles with clean water.
3. Inspect and clean all strainers, screens and filters.
4. Prepare a cleaning solution with a commercial detergent or sprayer cleaner or ammonia according to the manufacturer's directions.
5. Take care to wash all parts of the tank, including the inside top surface. Start agitation in the sprayer and thoroughly recirculate the cleaning solution for at least 15 minutes. All visible deposits must be removed from the spraying system.
6. Flush hoses, spray lines and nozzles for at least 1 minute with the cleaning solution.
7. Repeat above steps for two additional times to accomplish an effective triple rinse.
8. Remove nozzles, screens and strainers and clean separately in the cleaning solution after completing the above procedures.
9. Appropriately dispose of rinsate from steps 1-7 in compliance with all applicable laws and regulations.
10. Drain sump, filter and lines.
11. Rinse the complete spraying system with clean water.

All rinse water must be disposed of in compliance with local, state, and federal guidelines.

## **SPRAY DRIFT MANAGEMENT**

The interaction of many equipment- and weather-related factors determines the potential for spray drift. The applicator is responsible for considering all these factors when making application decisions. Avoiding spray drift is the responsibility of the applicator.

### **IMPORTANCE OF DROPLET SIZE**

The most effective drift management strategy is to apply the largest droplets which are consistent with pest control objectives. The presence of sensitive species nearby, the environmental conditions, and pest pressure may affect how an applicator balances drift control and coverage. Applying larger droplets reduces drift potential, but will not prevent drift if applications are made improperly or under unfavorable environmental conditions.

A droplet size classification system describes the range of droplet sizes produced by spray nozzles. The American Society of Agricultural and Biological Engineers (ASABE) provide a Standard that describes droplet size spectrum categories defined by a number of reference nozzles (fine, coarse, etc.). Droplet spectra resulting from the use of a specific nozzle may also be described in terms of volume mean diameter (VMD). Coarser droplet size spectra have larger VMD's and lower drift potential.

### **CONTROLLING DROPLET SIZE - GROUND APPLICATION**

- **Nozzle Type** - Select a nozzle type that is designed for the intended application. With most nozzle types, narrower spray angles produce larger droplets. The use of low-drift nozzles will reduce drift potential.
- **Pressure** - The lowest spray pressures recommended for the nozzle produce the largest droplets. Higher pressure reduces droplet size and does not improve canopy penetration. When higher flow rates are needed, using a higher-capacity nozzle instead of increasing pressure results in the coarsest droplet spectrum.

- **Flow Rate/Orifice Size** - Using the highest flow rate nozzles (largest orifice) that are consistent with pest control objectives reduces the potential for spray drift. Nozzles with higher rated flows produce coarser droplet spectra.

#### **APPLICATION HEIGHT**

- **Application Height (ground)** - Applications made at the lowest height consistent with pest control objectives, and that allow the applicator to keep the boom level with the application site and minimize bounce, will reduce the exposure of spray droplets to evaporation and wind, and reduce spray drift potential.

#### **WIND**

Drift potential is lowest when applications are made in light to gentle sustained winds (2-10 mph), which are blowing in a constant direction. Many factors, including droplet size and equipment type also determine drift potential at any given wind speed. **AVOID GUSTY OR WINDLESS CONDITIONS.**

Local terrain can also influence wind patterns. Every applicator is expected to be familiar with local wind patterns and how they affect spray drift.

#### **TEMPERATURE AND HUMIDITY**

Setting up equipment to produce larger droplets to compensate for droplet evaporation can reduce spray drift potential. Droplet evaporation is most severe when conditions are both hot and dry.

#### **SURFACE TEMPERATURE INVERSIONS**

Drift potential is high during a surface temperature inversion. Surface inversions restrict vertical air mixing, which may cause small suspended droplets to remain close to the ground and move laterally in a concentrated cloud. Surface inversions are characterized by increasing temperature with altitude and are common on nights with limited cloud cover and light to no wind. They begin to form as the sun sets and often continue into the morning. Mist or fog may indicate the presence of an inversion in humid areas. Inversions may also be identified by producing smoke and observing its behavior. Smoke that remains close to the ground, or moves laterally in a concentrated cloud under low wind conditions indicates a surface inversion. Smoke that moves upward and rapidly dissipates indicates good vertical air mixing.

#### **SHIELDED SPRAYERS**

Shielding the boom or individual nozzles can reduce the effects of wind. However, it is the responsibility of the applicator to verify that the shields are minimizing drift potential, and not interfering with uniform deposition of the product.

#### **AIR ASSISTED (AIR BLAST) FIELD CROP SPRAYERS**

Air assisted field crop sprayers carry droplets to the target via a downward directed air stream. Some may reduce the potential for drift, but if a sprayer is unsuitable for the application and/or set up improperly, high drift potential can result. It is the responsibility of the applicator to determine that a sprayer is suitable for the intended application, that it is configured properly, and that drift potential has been minimized.

Note: Air assisted field sprayers can affect product performance by affecting spray coverage and canopy penetration. Read the specific crop use and application equipment instructions to determine if an air assisted field crop sprayer can be used.

#### **SENSITIVE AREAS**

Sensitive areas include known habitat for threatened or endangered species, non-target sensitive crop, residential areas, and greenhouses. Applicators are required to ensure that they are aware of the proximity to sensitive areas, to avoid potential adverse effects from off-target movement of DuPont™ FeXapan™. The applicator must survey the application site for neighboring sensitive areas prior to application. The applicator also should consult sensitive crop registries for locating sensitive areas where available. Failure to follow the requirements in this label, could result in severe injury or destruction to desirable sensitive crops and trees, particularly beans, cotton, flowers, fruit trees, grapes, ornamentals, peas, potatoes, soybeans, sunflowers, tobacco, tomatoes, and other broadleaf plants when contacting their roots, stems or foliage.

#### **DRIFT CONTROL ADDITIVES**

Using product compatible drift control additives can reduce drift potential. When a drift control additive is used, read and carefully observe cautionary statements and all other information on the additive's label. If using an additive that increases viscosity, ensure that the nozzles and other application equipment will function properly with a viscous spray solution. Preferred drift control additives have been certified by the Chemical Producers and Distributors Association (CPDA).

## STORAGE AND DISPOSAL

Proper pesticide storage and disposal are essential to protect against exposure to people and the environment due to leaks and spills, excess product or waste, and vandalism. Do not allow this product to contaminate water, foodstuffs, feed or seed by storage and disposal.

Open dumping is prohibited. This product may not be mixed, loaded, or used within 50 feet of all wells including abandoned wells, drainage wells, and sinkholes.

**PESTICIDE STORAGE:** Groundwater contamination may be reduced by diking and flooring of permanent liquid bulk storage sites with an impermeable material. Spillage or leakage should be contained and absorbed with clay granules, sawdust, or equivalent material for disposal.

Store in original container in a well-ventilated and away from food, pet food, feed, seed, fertilizers, and veterinary supplies. Avoid cross-contamination with other pesticides. Keep container closed to prevent spills and contamination.

**PESTICIDE DISPOSAL:** To avoid wastes, use all material in this container, including rinsate, by application according to label directions. If wastes cannot be avoided, offer remaining product to a waste disposal facility or pesticide disposal program. Such programs are often run by state or local governments or by industry. All disposal must be in accordance with applicable federal, state and local regulations and procedures.

**CONTAINER HANDLING:** Refer to the Net Contents section of this product's labeling for the applicable "Nonrefillable Container" or "Refillable Container" designation.

**Nonrefillable Rigid Plastic and Metal Containers (Capacity Equal to or Less Than 5 Gallons):** Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then, for Plastic Containers, offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration. Do not burn, unless allowed by state and local ordinances. For Metal Containers, offer for recycling if available or reconditioning if appropriate, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

**Nonrefillable Rigid Plastic and Metal Containers (Capacity Greater Than 5 Gallons):** Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then, for Plastic Containers, offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration. Do not burn, unless allowed by state and local ordinances. For Metal Containers, offer for recycling if available or reconditioning if appropriate, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

**Nonrefillable Rigid Plastic and Metal Containers, e.g., Intermediate Bulk Containers [IBC] (Size or Shape Too Large to be Tipped, Rolled or Turned Upside Down):** Nonrefillable container. Do not reuse or refill this container. Clean container promptly after emptying the contents from this container into application equipment or mix tank and before final disposal using the following pressure rinsing procedure. Insert a lance fitted with a suitable tank cleaning nozzle into the container and ensure that the water spray thoroughly covers the top, bottom and all sides inside the container. The nozzle manufacturer generally provides instructions for the appropriate spray pressure, spray duration and/or spray volume. If the manufacturer's instructions are not available, pressure rinse the container for at least 60 seconds using a minimum pressure of 30 PSI with a minimum rinse volume of 10% of the container volume. Drain, pour or pump rinsate into application equipment or rinsate collection system. Repeat this pressure rinsing procedure two more times. Then, for Plastic Containers, offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration. For Metal Containers, offer for recycling if available or reconditioning if appropriate, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

**All Refillable Containers:** Refillable container. Refilling Container: Refill this container with DuPont™ FeXapan™ herbicide containing dicamba only. Do not reuse this container for any other purpose. Cleaning before refilling is the responsibility of the refiller. Prior to refilling, inspect carefully for damage such as cracks, punctures, abrasions, worn out threads and closure devices. If damage is found, do not use container, contact DuPont at the number below for instructions. Check for leaks after refilling and before transporting. If leaks are found, do not reuse or transport container, contact DuPont at the number below for instructions. Disposing of Container: Do not reuse this container for any other purpose other than refilling (see preceding). Cleaning the container before final disposal is the responsibility of the person disposing of the container. To clean the container before final disposal, use the following pressure rinsing procedure. Insert a lance fitted with a suitable tank cleaning nozzle into the container and ensure that the water spray thoroughly covers the top, bottom and all sides inside the container. The nozzle manufacturer generally provides instructions for the appropriate spray pressure, spray duration and/or spray volume. If the manufacturer's instructions are not available, pressure rinse the container for at least 60 seconds using a minimum pressure of 30 PSI with a minimum rinse volume of 10% of the container volume. Drain, pour or pump rinsate into application equipment or rinsate collection system. Repeat this pressure rinsing procedure two more times. Then, for Plastic Containers, offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration. Do not burn, unless allowed by state and local ordinances. For Metal Containers, offer for recycling if available or reconditioning if appropriate, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

Do not transport if container is damaged or leaking. If the container is damaged, leaking or obsolete, or in the event of a major spill, fire or other emergency, contact DuPont at 1-800-441-3637, day or night.

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If the Terms Are Not Acceptable, Return the Product at Once, Unopened, and the Purchase Price Will Be Refunded.

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